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RESULTS OF SAMPLING AND ANALYSIS PLAN IMPLEMENTATION AND PROPOSED CLEANUP PLAN

at

FRANKLIN PLASTICS CORPORATION Kearny, New Jersey

ECRA Case No. 86026

Prepared for

The Bureau of Environmental Evaluation and
Cleanup Responsibility Assessment
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
Trenton, New Jersey

Prepared by

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ENGINEERING, CONSULTING, LABORATORY, PILOT PLANT, PLANT TEST SERVICES

POLLUTION CONTROL, WASTE DISPOSAL, RESOURCE RECOVERY, CHEMICAL PROCESS SYSTEMS

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- Appendix II Forms A and B, Monitoring Well Record Forms, Lithologic/Well Construction Logs, Well Permits, Purge Forms, Well Abandonment Forms.
- Appendix III Boring Lithologic Logs
- Appendix IV Health and Safety Plan
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- Appendix VI Groundwater Analytical Reports and Quality Assurance/Quality Control Documentation.

1.0 INTRODUCTION

In a letter from the NJ DEP dated April 4, 1990, a Sampling Plan was approved for Franklin Plastics Corporation, Kearny, NJ. The approved Sampling Plan constituted the work proposed in RECON's letter to the NJ DEP dated October 23, 1989 in addition to the Department's review comments as contained in their April 4, 1990 letter.

In a meeting between the NJ DEP, Franklin Plastics, and RECON SYSTEMS held on May 24, 1990, details concerning the Sampling Plan implementation were discussed. During this meeting, it was emphasized that the need for soil remediation was contingent upon the groundwater quality encountered in the aquifer located below the organic silt aquitard occurring onsite.

This document reports the results of the recent soil sampling and analysis activities and monitoring well installation and sampling activities which took place during June-July, 1990. This report also summarizes all analytical results to date but includes only the recent analytical laboratory support data in the appendices.

A Proposed Cleanup Plan is presented in Sections 5.0-13.0 of this report.

2.0 SUMMARY OF PRÉVIOUS ACTIVITIES

A Sampling and Analysis Plan (SAP) was first submitted to the NJ DEP for Franklin Plastics on March 18, 1986. Amendments to the SAP were submitted to the NJ DEP on February 12, 1987. The SAP and Amendments were approved by the NJ DEP in a letter dated March 25, 1987. The Plan was implemented by RECON SYSTEMS during the Summer of 1987.

The results of implementing the SAP were reported to the DEP in the report <u>SAMPLING AND ANALYSIS PLAN RESULTS</u> dated October 1, 1987. Soil areas containing petroleum hydrocarbons (PHC), base neutral compounds (B/N), and cadmium and lead exceeding the suggested DEP levels were identified onsite. Seven overburden (7) monitoring wells were installed and groundwater sampled. Groundwater results indicated that the water table aquifer had not been significantly impacted by the target compounds contained in the soils.

3.0 CONTINUED SOIL INVESTIGATION

Franklin Plastics Corporation retained RECON to implement the second soil and groundwater Sampling and Analysis Plan (SAP) as part of ECRA Case No. 86026. This SAP adheres to the standard NJ DEP ECRA SAP guidelines and specifically addresses items outlined in the DEP letter dated April 4, 1990. This section of the report documents the field procedures of SAP implementation and presents the soil analytical results.

3.1 Soil Sampling and Analytical Results

Soil samples were collected on June 12 and June 13, 1990. sample locations are indicated on Figure 1, Soil Sampling Locations, PHC Results, and Areas of Environmental Concern. Four (4) samples were collected at the front of the building along Passaic Avenue, five (5) samples were collected around the 50,000 gallon above ground fuel oil tank, and four (4) samples were collected along the bank of the Passaic River. In addition, a background sampling location was selected at the northern edge of the property to serve as a potential baseline for background conditions. Table 1, Summary of Soil Sampling and Analytical Results for PHC, BN, and VOC, and Table 2, Summary of Soil Sampling and Analytical Results for Priority Pollutant Metals, presents the analytical results of all soil sampling involved in this recent investigation. Figure 2 and Figure 3 present the analytical results for BN and metals respectively on a boring location map. All soil maps and tables are comprehensive.

3.2 Passaic River Bank Sampling

Soil samples were collected from the 0-6" soil interval at four (4) locations along the bank of the Passaic River. Three samples were located on Franklin Plastics' property and one sample (PR-1) was

located on the Vornado property immediately north of the Franklin Plastics site. Originally five (5) samples had been requested by the NJ DEP. One (1) sample (PR-5) originally located south of the site could not be collected because of a bulkhead. Mr. Andrew Dillman, ECRA Case Manager, granted verbal permission to drop this sample requirement.

The soil samples were collected at low tide at locations from which seeps were developed through the bank immediately below the high tide line. These seeps are most likely due to water draining from the bank back into the river after the water is absorbed by the bank at high tide. The seeps do not necessarily represent the water table intersecting the bank because the seeps are not continuous along the bank. It must also be noted that considerable trash, plastics, and oil stained flotsam from the river were accumulated along the bank.

Samples along the Passaic River contained concentrations of PHCs, BNs, and various metals above the suggested NJ DEP action levels. All four Passaic River bank samples contained PHCs having concentrations greater than 500 ppmw. Base neutrals were below the detection levels in PR-1 (Two Guys), but were significant in PR-2 and PR-3. PR-4 values for BN were insignificant. Concentrations of antimony, cadmium, and lead exceeded suggested guidelines.

Tables 6 and 7, Results of Total Organic Carbon Analysis and Results of Grain Size Analysis, indicates that all the Passaic River samples contain 53-75% dry weight basis grain size of greater than 4000 micron size, which is equivalent to a coarse sand/very fine gravel. Sample PR-3W contains total organic carbon concentrations of 4.6 milligrams/liter.

Five (5) soil samples had originally been requested from along the river by the DEP. Because of a bulkhead located on the south side of the property, the fifth sampled was not required by Mr. Andy Dillman, ECRA Case Manager.

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3.3 Passaic Avenue Sampling

Four (4) samples (B-19, 20,21, 22) were collected from between the building and the fence bordering Passaic Avenue as shown on Figure 1. All samples along Passaic Avenue showed significant PHC concentrations to a depth of approximately two feet below grade.

3.4 50,000 Gallon Above Ground Fuel Oil Tank Sampling

Five soil samples (AGT 1-5) were collected from the area within the retaining wall around the oil tank as indicated in Figure 1. Sample AGT-1 contained 281 ppmw PHCs. The other four samples around the tank did not detect PHCs.

3.5 Background Sampling

One soil boring was performed on the north property line and sampled at three depths in an attempt to establish background levels. Samples from 0-6' and 6-12' contained greater than 100 ppmw PHCs and 10 ppmw BNs. None of the metals had concentrations above suggested NJ DEP guidelines. The sample from 42-48' exceeded suggested guidelines for lead only.

4.0 CONTINUED GROUNDWATER INVESTIGATION

In a document submitted to the NJ DEP dated April 4, 1988, additional monitoring wells were proposed along the Passaic River and one well cluster was proposed to investigate hydrogeologic conditions in the saturated zone below the organic silt aquitard. In the DEP's response letter dated April 4, 1990, three (3) deep wells were requested clustered with existing wells. The installation of those requested wells and the groundwater quality results are discussed in the following sections.

4.1 Monitoring Well Installation

On June 12, 1990, two (2) shallow unconsolidated monitoring wells (MW-2R, MW-4R) were installed onsite. These wells replaced MW-2 and MW-4 which had been damaged. The shallow wells were designed to monitor water table conditions. These wells were drilled to a total depth of 7.5 feet utilizing a Simco 2800 Hollow Stem Auger drill rig. These replacement wells were constructed by a New Jersey Licensed well driller according to the NJ DEP Specification for Monitoring Well Construction in Unconsolidated Formations. Previous wells MW-2 and MW-4 were abandoned according to DEP specifications by the same driller, who is certified to abandon wells (see Appendix II for Well Abandonment Forms).

Figure 5, Groundwater Map - Shallow and Deep Aquifer, 7-2-90, shows the locations of all monitoring wells at the Franklin Plastics site. Please refer to Table 5, Summary of Monitoring Well Data, for specifications pertaining to all monitoring wells onsite. Well Construction/Lithologic Logs, Monitoring Well Record forms and As Built Certification Forms A are included in Appendix II.

On June 13, 1990, three (3) double-cased unconsolidated monitoring wells (DW-3, DW-4, DW-5) were installed onsite to monitor groundwater quality in the aquifer located below the 5-10' thick organic clayey silt layer encountered at 6-7' below grade onsite. These wells were installed to a total depth of 21 feet using a B-53 Mobile Drill rig utilizing both the wet rotary and hollow stem auger methods of well installation. All three well locations were first investigated by driving split spoons into the clayey silt bed verifying the thickness of the aquitard. Each well was then installed with 10' of 10" ID steel casing which was grouted into place using the tremie pressure grout method. The casing was installed in a 14" borehole using the wet rotary method. Care was taken not to penetrate the aquitard while installing the casing.

After the grout was allowed to cure overnight, a 4 1/4" ID hollow stem auger (8" OD) was used to drill through the casing and through the remainder of the aquitard into the saturated sand and gravel zone below. Prior to augering, split spoon samples were taken to determine the depth to the clayey silt/sand contact. The wells were then completed at a depth of 21' having 5' of 2" ID PVC screen (.020 slot) located in the sand aquifer. That portion of the open borehole in the aquitard but below the steel casing was sealed with bentonite. Well construction was implemented according to the DEP approved specifications submitted to the DEP in the document dated April 4, 1990.

All wells installed were developed by overpumping until the discharge water was clear of sediments.

4.2 Groundwater Sampling and Analytical Results

A comprehensive round of groundwater samples was collected from the ten (10) onsite wells on July 2, 1990. All samples were analyzed for PHCs via US EPA Method 418.1, volatile organic compounds (VOCs) via US EPA Method 624 +15, base neutrals (BNs) via US EPA Method 625 +15, pH, total dissolved solids, and priority pollutant metals. Table 3, Summary of Groundwater Analytical Results for PHC, BN, VOC, and pH, includes all the results except the metals. Table 4, Summary of Groundwater Priority Pollutant Analytical Results, includes the results of all metals analyses.

Groundwater samples were collected according to methods presented in the NJ DEP Field Procedures Manual for Water Data Acquisition.

Results of the sampling indicate that seven of the ten wells contain petroleum hydrocarbons in concentrations above the suggested action level of 1 ppmw in groundwater. Wells MW-1 and MW-4R contained the highest concentrations at 8.8 ppmw and 10.8 ppmw, respectively. The remainder of the wells ranged from 0.5 (MDL) to 2.2 ppmw. Figure 4, Shallow Groundwater PHC Isopleth, shows the relative concentrations of PHC in groundwater.

Total VOCs above the suggested action level of 0.050 ppm were detected in wells MW-3, MW-7, and DW-5. The highest concentration was 0.143 ppmw VOC in MW-3. Base neutrals were detected in wells MW-7 and MW-4R above action levels. The highest concentration was 0.435 ppmw BN (phthalates) in MW-4R.

In general, the groundwater quality detected in the three double cased wells was much better than that detected in the clustered shallower wells. These results indicate that the clayey silt interval at 6-7' below grade is acting as an aquitard and is preventing significant downward movement of suspected contaminants.

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4.3 Survey

A licensed survey was performed on the new monitoring wells by Nicholas Lebo on July 19,1990. A survey was performed on the previous wells by Lebo on June 7, 1987. Well Location Certification Forms B are included in Appendix II. The reference point for each well was taken from the top of the PVC or teflon casing. Water levels were taken from the top of casing and subtracted from the surveyed elevations of each respective well to determine groundwater elevations. Reference point elevations and water level elevations for two rounds of water level measurements are also presented in Table 5, Summary of Monitoring Well Data. Groundwater flow is discussed in a later section.

4.4 Hydrogeology

Please refer to the document submitted to the DEP on April 4, 1988, which presents geotechnical and geophysical information pertaining to the site for a detailed hydrogeologic summary.

In general, the following stratigraphic sequence was encountered during monitoring well installation:

RECENT	0-6.5'	FILL, with shale clasts, ash, cinders, coal (boiler cleanout), sand, and gravel depending on location on site.
RECENT	6.5-11'	SILT, light-dark grey, very clayey, organic rich with peat zones, tight. Aquitard.
PLEISTOCENE	11-21'	Coarse SAND, with gravel, some silt. Lower aquifer zone.

Groundwater occurs under water table conditions in the saturated zone contained in the fill overlying the clayey silt aquitard. Groundwater encountered in the sand underlying the aquitard is confined. Static water levels in wells completed below the aquitard are generally 2-3' below the static water level measured in the shallower wells, indicating a downward flow potential if the permeability existed.

Static water levels measured in the deep wells are above or within the depth interval of the aquitard. This indicates that groundwater encountered below the aquitard is confined. If it was unconfined, the static water level would be at the aquitard/aquifer contact.

Figures 5 and 6 are groundwater maps showing flow as determined by two sets of static water level measurements taken approximately one month apart (7-2-90 and 8-9-90). Water levels were taken at 10:00 am on 7-2-90 and 3:00 pm on 8-9-90. Low tide occurred at the Battery in New York Harbor at 11:06 am on 7-2-90 and at 5:11 pm on 8-9-90. The tides were approaching ebb when the water levels were measured in both cases.

Groundwater flow in both aquifers is from east to west or towards the Passaic River. Local variations are due to buried utilities.

5.0 PROPOSED CLEANUP PLAN - INTRODUCTION

In the NJ DEP SAP Approval letter dated April 4, 1990, it was requested that the results report for implementing the SAP be accompanied by either a proposed Negative Declaration, a proposed Cleanup Plan, or a Revised Sampling Plan. This document is the Proposed Cleanup Plan and Revised Sampling Plan with respect to AEC #4.

6.0 <u>CLEANUP PLAN - SUMMARY OF ENVIRONMENTAL CONCERNS</u>

In the SAMPLING AND ANALYSIS PLAN RESULTS report submitted to the NJ DEP on October 1, 1987, twelve (12) areas of environmental concern (AEC) were discussed. These AEC's were as follows:

- 1. A 50,000 gallon above ground fuel storage tank.
- 2. Two (2) each 275 gallon above ground fuel tanks.
- 3. A 6,000 gallon underground gasoline tank.
- 4. Two cement sumps and a dry well.
- 5. A tank farm for plasticizer oil storage.
- 6. An expansion chamber and visibly contaminated soils in its vicinity.
- 7. A plastic resin and plasticizer loading/unloading area.
- 8. The area adjacent to a dust collector discharge.
- 9. Soils receiving boiler blowdown.
- 10. An area receiving discharge from an employee sink.
- 11. The transformer substation.
- 12. The fill in the undeveloped area toward the river.

In view of the results of two SAP implementations, it is proposed that AECs 1, 2, 3, 9, and 11 can be considered to be remediated and therefore no longer be considered as part of this investigation. Insignificant target compound concentrations were detected in these four (4) previous AECs. Section 3.4 of this report presents information pertaining to AEC #1. Data for AECs #2, #3, #9, and #11 are contained in the Sampling and Analysis Plan Results report submitted to the DEP on October 1, 1987.

It is proposed that previous AECs 4, 5, 6, 7, and 10 be combined into a new AEC #1. It is also proposed that previous AEC #8 be renumbered as AEC #2 and that previous AEC #12 be renumbered as AEC #4. The following list of proposed AEC's will be addressed in this CUP:

- AEC No. 1 A combination of previous AEC's 4, 5, 6, 7, and 10 located on the south side of the facility and adjacent to Passaic Avenue. The target compounds in this area are PHC, BN, and cadmium (Cd) occurring in soils.
- AEC No. 2 The area adjacent to the dust collector discharge and former trailer storage area (previous AEC #8). Target compounds include BN and Cd in soils.
- AEC No. 3 Free product exists in MW-1. Viscous black oil was reported floating on the water table monitored by MW-1.
- AEC No. 4 The fill in the undeveloped area toward the river. Target compounds in this area are PHC, BN, Cd, and Pb occurring in soils (previously AEC #12).

AEC's are shown on Figure 1, Soil Sampling Locations, Petroleum Hydrocarbon Results, and Areas of Environmental Concern.

7.0 CLEANUP PLAN - PROPOSED REMEDIAL ACTIONS

The following remedial actions or additional sampling is proposed for the AEC's:

AEC No. 1 - Encapsulation

Approximately 23,500 square feet of exposed soil and lawn will be paved with asphalt. Paving will consists of approximately two (2") inches of trap rock base, six (6") inches of quarry product (QP, mixed gravel and clayey sand), and four (4") inches of asphalt. Encapsulation will prevent the recharge of groundwater to the water table through the soils thereby preventing the mobilization of target compounds out of the soil into the groundwater system.

Encapsulation is considered a suggested form of alternate technology for soil remediation. Encapsulation or capping is more practical than the classical excavate/backfill approach in this case. Capping limits the access to the soil for human contact or consumption and reduces the generation of airborne particulates. Capping restricts the volume of surface water allowed to infiltrate/percolate through the soil column which may mobilize

target compounds to impact the groundwater system. Encapsulation prevents the access of air or water to the soil which may generate particulates or leachate thereby isolating the target compounds onsite. In this regard, see the report prepared by Mr. James G. Alatsas, P.E., P.P., dated July 11, 1988 previously submitted to the NJ DEP.

AEC No. 2 - Encapsulation

Approximately 55,000 square feet of exposed soil and lawn will be paved with asphalt as described for AEC #1. The two areas will be contiguous as shown on Figure 7, Areas of Encapsulation and Additional Soil Sampling.

AEC No. 3 - Free Product Recovery

Viscous, black oil is floating on the water table in MW-1. It is proposed that the product be recovered using an ejector pump discharging to a drum. An ejector pump uses air pressure to push the fluid from the intake into the drum. No agitation is necessary which would emulsify the fluids (oil/water). The ejector pump system will be designed to recovery the product only while pumping low-yield groundwater to create a cone of depression to capture the product. A more detailed recovery system design will be reported as an addendum to this CUP at a later date.

The oil can be easily bailed from the well resulting in only a thin film of product left on the water table. Because of the viscosity of the oil, recharge to the well through the screen (.020" slot size) is very slow.

AEC No. 4 - Proposed Additional Soil Sampling

Recent soil sampling results from along the bank of the Passaic River as reported in Section 3.2 of this report, indicates the need for additional soil sampling in this area. It is proposed that five (5) borings be performed and located as shown on Figure 7, Areas for Encapsulation and Additional Soil Sampling.

One sample (PR-5) will, with permission of Vornado, be taken to verify previous sample PR-1. PR-6 and PR-7 will be collected to delineate the PHC and BN values detected in PR-2 and PR-3. Proposed samples PR-5, -6, and -7 will be collected from the 0-6" soil interval and analyzed for PHC and BN.

Two borings (PR-8 and PR-9) will be performed approximately thirty (30') feet east of previous borings PR-2 and PR-3. Samples will be collected from the six (6") inch soil interval in the capillary fringe directly above the water table. Both samples will be analyzed for PHC and BN. The purpose of this sampling is to investigate the potential for the target compounds to move through the fill and seep into the Passaic River.

All soil sampling will proceed according to the methods presented in the NJ DEP Field Sampling Procedures Manual.

8.0 PROPOSED CLEANUP LEVELS

Since encapsulation will isolate the soils and prevent the mobilization of target compounds from the site, no cleanup levels for soil are proposed.

The average concentration for PHC in groundwater is 2 ppm. This concentration is not considered significant enough to warrant remediation. Free product (oil) recovery is proposed for the site in respect to AEC #3. No remediation for dissolved PHC in groundwater is proposed. Encapsulation will greatly reduce the amount of recharge and mobilization of PHC from the fill to the water table aquifer. Groundwater quality will continue to be monitored to document the effect of encapsulation.

9.0 PROPOSED WORK PLAN

Remedial activities will proceed after the NJ DEP approves the Proposed Cleanup Plan.

9.1 Encapsulation

Approximately 78,500 square feet of asphalt will be involved in encapsulation. The paving will be to the specifications necessary to support heavy truck traffic. Encapsulation will consist of, from top to bottom, four (4") inches of asphalt, four (4") inches of QP (quarry product) as a stabalizer, and four (4") inches of crushed trap rock. The areas involved will be graded flat prior to encapsulating.

Work will proceed beginning in the strip of lawn between the plant and the fence (property line) bordering Passaic Avenue on the southeast side of the plant. Work will progress around the south side of the building between the transformer area and the building and into the tank farm and truck loading areas. Encapsulation will also take place inside the above ground tank farm. The paving will be carefully sealed to tanks and other vertical surfaces. Please refer to Figure 7 for areas.

Once AEC #1 has been encapsulated and grading has been completed, paving will proceed in AEC #2. No soil will be removed during the grading process.

All work will be performed in Level D personal protective status. Please refer to the site Health and Safety Plan (HASP) for more information.

9.2 Oil Recovery

MW-1 will be equipped with an Ejector Systems, Inc. (ESI) product recovery system. This system is designed for small diameter, low yield wells. ESI ejectors operate using air pressure to displace the fluids to the surface. The ejectors consist of a dual-pump configuration with both a drawdown pump and a Product Only Ejector. The drawdown pump will discharge approximately one-half gallon of water per minute to establish a cone of depression in the water table to capture product flow. The recharge rate for MW-1 is approximately 1 gpm. The Product Only Ejector is designed with a ballasted float allowing for lighter-than-water hydrocarbon recovery while leaving the groundwater in the well. The ejector acts as an oil/water separator in the well.

Recovered oil will be discharged to a fifty-five gallon drum located adjacent to MW-1. The recovered groundwater will be pumped through an oil/water separator to the river (permit required), or possibly into a tanker for licensed disposal. A more detailed recovery design will be submitted as an addendum to this Proposed CUP at a later date.

10.0 POST REMEDIATION SAMPLING AND MONITORING PLAN

No further soil investigation is proposed following encapsulation.

It is proposed that the groundwater quality be monitored for PHC and BN for a period of one year under the NJ Pollutant Discharge Elimination System (NJPDES). If the groundwater quality does not change or improves within the first two quarterly sampling periods, then Franklin Plastics will petition the NJ DEP to discontinue the NJPDES-DGW permit. If groundwater quality is found to degrade during this period, then the permit conditions will have to be reevaluated.

11.0 TIMETABLE

	<u>TASKS</u>			<u>Proje</u>	ct Sch	edule	in Mor	nths		
		1st	2nd	3rd	4th	5th	6th	7th	8th	
1.	Approval of Cleanup Plan by NJDEP	II								
2.	Grading		I	I						
3.	Authorization of Paving Contractor	I-	i]							
4.	Encapsulation Activities			I		I				
5.	Recovery Systemstallation a Start up				I	I		* * , 1 *		
6.	Product Recov	ery				I		I		
:7.	Groundwater as Product Dispos			•	. •		•	I-I	. 🤃	
8.	NJPDES Permit Application a Approval		I		I		· .			
9.	Provide Final Documentation to NJDEP							I	I	
10	. Site Inspect	ion					٠.		I	•

12.0 PROGRESS REPORTS

Progress reports will be submitted to the NJDEP on a monthly basis outlining the progress made in meeting the milestones presented in the proposed Time Table.

13.0 ESTIMATED COSTS FOR CLEANUP

Major cost element estimates for proposed cleanup activities:

Encapsulation: Paving of		\$
78,500 square feet of area		
to truck specifications, grading.		180,000.
Oil Recovery System Design		30,000.
and Implementation		
Waste water and Oil Disposal		20,000.
Additional Soil Investigation		7,000.
Application for NJPDES Permits		3,000.
(Groundwater and Surface Water)		
RECON Project Management and		
Final Cleanup Documentation		<u>6.000</u> .
	Total	250.000.

DRAFT PRELIMINARY ESTIMATES

SUBJECT TO CHANGE AS DETAILED DESIGN

AND IMPLEMENTATION PROCEED

TABLES

TABLE 1

SUMMARY OF SOIL ANALYSES RESULTS FOR PETROLEUM HYDROCARBONS, BASE NEUTRALS AND VOLATILE ORGANIC COMPOUNDS

FRANKLIN PLASTICS CORPORATION .

All results in ppm

Boring	RECON Sample	Date		Petroleum	Base	Volatile Organic
No.	No.	Sampled	Depth	Hydrocarbons	<u>Neutrals</u>	Compounds
B-1	6881	2/6/87	12-18"	80	ND	0.042
B-2	6882	2/6/87	12-18"	2,710*	109	0.059
B-3	6883	2/6/87	12-18"	1,600*	1,430	ND
B-4						
B-5/1	7824	5/27/87	6-12"	122	25.1	0.665
B-5/2	7825	5/27/87	34-40"	:38	1.39	0.142
B-6/1	7878	6/1/87	6-12"	305	119	ND
B-6/2	7879	6/1/87	40-46"	286	22.0	ND
B-7/1	7793	5/26/87	6-12"	188	2,300	ND
B-7/2	7794	5/26/87	36-42"	79	420	0.13
B-8/1	7785	5/26/87	6-12"	20,100	7,000	0.52
B-8/2	7786	5/26/87	14-20"	2,910	3,870	ND
B-9/1	7787	5/26/87	6-12"	105	34.8	0.74
B-9/2	7788	5/26/87	40-46*	222	5.0	0.363
B-10/1	7796	5/26/87	6-12"	7,830	1,678	ND
B-10/2	7797	5/26/87	30-36"	1,120	26,000	4.85
B-11/1	7798	5/26/87	6-12"	322	39	0.059
B-11/2	7799	5/26/87	33-39"	BMDL	3	0.241
B-12/1	7789	5/26/87	6-12"	124	210	ND
B-12/2	7790	5/26/87	26-32"	68	19	ND
B-13/1	7791	5/26/87	6-12"	5,350	.11	ND
B-13/2	7792	5/26/87	20-26*	3,320	28	0.73
B-14	8215	7/3/87	Sump Sludge	NA	2,751	0.160
B-7A	7795	5/26/87	36-42"	NA	54	
B-10A/1	•		12-18"		11.4	
B-10A/2			30-36"		1.19	
B-10B/1			12-18"		279	
B-10B/2			30-36"	•	41.6	
B-10B/3		\	36-42"		13	
B-10C/1			12-18"		1.28	
B-10C/2		•	30-36"		8.5	
B-10C/3			36-42"		21.05	
B-10D/1			12-18"	•	56	
B-10D/2			30-36"		2,449	
B-10D/3			36-42"		381	
B-10E/1			12-18"		6.64	
B-10E/2	,		30-36"		65.58	,
B-10F/1			12-18"		19.84	
B-10F/2	•	·	30-36"			
B-10G/1	•		12-18"		87.8	
B-10G/2			30-36*		1,558	
B-15	8285	7/9/87	6-12 *	102	***	
B-16	8286	7/9/87		192	NA	NA
B-17	8287		6-12"	298	NA	NA
B-18/1	7800	7/9/87	6-12"	1,080	NA	NA
B-18/2	7801	5/26/87	6-12"	6,030	NA	NA
B-19/22		5/26/87	30-36*	3,590	NA	NA
0-13/26	7882	6/2/87	Composite	6,620	126	0.089
					•	-

1699.1

8.10.90

TABLE 1 (cont'd)

RECON Sample Date Petroleum Base Organic Commounds No. Sample Date Petroleum Rydrocarbone No. No. Sampled Depth Petroleum Rydrocarbone No. N							
No. Sampled Depth Hydrocarbons Neutrals Compounds		RECON			5	Ď	Volatile
B-23/1 7802 5/26/87 6-12" 321 NA NA NA B-23/2 7803 5/26/87 68-74" 123 NA NA NA NA B-24/2 7805 5/26/87 68-74" 123 NA NA NA B-24/2 7805 5/26/87 24-30" 451 NA NA B-24/2 7805 5/26/87 24-30" 451 NA NA B-24/2 7805 5/26/87 24-30" 451 NA NA B-26 7819 5/27/87 35-41" NA NA B-26 7819 5/27/87 35-41" NA NA B-28 7821 5/27/87 37-43" NA NA B-28 7821 5/27/87 37-43" NA NA B-28 7821 5/27/87 37-43" NA NA B-29 7822 5/27/87 39-45" NA NA B-31/2 7884 6/2/87 6-12" 1,330 241 0.535 B-31/3 7885 6/2/87 6-12" 299 42 0.699 B-33/3 7888 6/2/87 6-12" 299 42 0.699 B-33/3 7889 6/2/87 6-12" 153 144 ND ND B-34 7849 5/29/87 0-6" ND ND ND ND B-33/1 7886 6/2/87 0-6" ND	_			5 b			
B-22/2 7803 5/26/87 68-74" 123 NA NA NA B-24/2 7805 5/26/87 6-12" 10,400 NA NA NA B-24/2 7805 5/26/87 24-30" 451 NA NA B-24/2 7805 5/26/87 24-30" 451 NA NA B-24/2 7805 5/27/87 35-41" NA NA B-26 7819 5/27/87 35-41" NA NA B-26 7819 5/27/87 35-41" NA NA B-27 7820 5/27/87 37-43" NA NA B-28 7821 5/27/87 37-43" NA NA B-28 7821 5/27/87 37-43" NA NA B-29 7822 5/27/87 39-45" NA B-30 7823 5/27/87 39-45" NA B-30 7823 5/27/87 39-45" NA B-31/2 7884 6/2/87 6-12" 299 42 0.659 B-31/3 7885 6/2/87 42-47" 96 533 0.513 B-31/3 7885 6/2/87 40-44" 182 18 0.590 B-32/3 7888 6/2/87 40-44" 182 18 0.590 B-33/3 7891 6/2/87 6-12" 153 144 ND B-34 7849 5/22/87 0-6" ND	NO.	NO.	Sampled	<u>Deptn</u>	Hydrocarbons	Neutrals	Compounds
B-24/1 7804 5/26/87 68-74" 123 NA NA NA NA B-24/2 7805 5/26/87 64-12" 10,400 NA NA NA B-24/2 7805 5/26/87 24-30" 451 NA NA B-24/2 7805 5/26/87 24-30" 451 NA NA B-24/2 7805 5/27/87 35-41" NA NA B-26 7819 5/27/87 35-41" NA NA B-26 7819 5/27/87 35-41" NA NA B-28 7821 5/27/87 37-43" NA NA B-28 7821 5/27/87 37-43" NA NA B-28 7821 5/27/87 37-43" NA NA B-29 7822 5/27/87 39-45" NA B-30 7823 5/27/87 39-45" NA B-30 7823 5/27/87 39-45" NA B-31/2 7884 6/2/87 6-12" 299 42 0.699 B-31/3 7885 6/2/87 42-47" 96 533 0.513 B-31/3 7885 6/2/87 40-44" 182 18 0.590 B-33/3 7891 6/2/87 6-12" 153 144 ND B-34 7893 6/2/87 0-6" ND	B-23/1	7802	5/26/87	6-12"	321	NA	NA
B-24/1 7804 5/26/87 6-12" 10,400 NA NA NA B-24/2 7805 5/26/87 24-30" 451 NA NA B-25 7818 5/27/87 35-41" NA NA B-25 7818 5/27/87 35-41" NA NA B-27 7820 5/27/87 37-43" NA NA B-27 7820 5/27/87 37-43" NA NA B-29 7822 5/27/87 37-43" NA NA B-29 7822 5/27/87 39-45" NA NA B-30 7824 6/2/87 6-12" 1,330 241 0.535 B-31/2 7884 6/2/87 42-47" 96 533 0.513 B-31/3 7885 6/2/87 42-47" 96 533 0.513 B-32/2 7887 6/2/87 40-44" 182 18 0.590 B-32/3 7888 6/2/87 40-44" 182 18 0.590 B-33/3 7891 6/2/87 45-50" 6,420" 110 ND B-33/1 7883 6/2/87 0-6" 19,300" 405 B-31/1 7883 6/2/87 0-6" ND				68-74"	123		NA
B-24/2 7805				6-12"	10,400	NA	NA
B-25 7818 5/27/87 35-41" NA B-27 7820 5/27/87 37-43" NA B-27 7820 5/27/87 37-43" NA B-28 7821 5/27/87 37-43" NA B-29 7822 5/27/87 39-45" NA B-30 7823 5/27/87 39-45" NA B-31/2 7884 6/2/87 42-47" 96 533 0.513 B-31/2 7887 6/2/87 42-47" 96 533 0.513 B-31/3 7887 6/2/87 40-44" 182 18 0.590 B-32/3 7888 6/2/87 40-44" 182 18 0.590 B-33/3 7880 6/2/87 45-50" 6,420" 110 ND B-33/3 7891 6/2/87 45-50" 6,420" 110 ND B-33/1 7883 6/2/87 0-6" ND ND ND B-33/1 7883 6/2/87 0-6" ND ND ND ND B-33/1 7889 6/2/87 0-6" ND ND ND ND B-33/1 7889 6/2/87 0-6" ND ND ND ND B-33/1 7889 6/2/87 0-6" ND ND ND ND WW-1/1 7852 5/29/87 0-6" ND ND ND ND WW-1/1 7852 5/29/87 42-48" 4,800* BMDL 0.300 WW-2/2 7841 5/28/87 42-48" 72 5 0.38 WW-3/1 7850 5/29/87 42-48" 72 5 0.38 WW-3/1 7850 6/1/87 6-12" 20,100 963 0.872 WW-4/2 7841 6/1/87 6-12" 20,100 963 0.872 WW-4/2 7851 6/1/87 6-12" 20,100 963 0.872 WW-5/2 7851 6/1/87 6-12" 21,600 11 ND WW-5/2 7861 6/1/87 6-12" 21,700 963 0.872 WW-6/1 7860 6/1/87 6-12" 21,700 963 0.872 WW-6/1 7861 6/1/87 6-12" 21,700 963 0.872 WW-6/1 7862 6/1/87 6-12" 21,700 963 0.872 WW-6/1 7862 6/1/87 6-12" 21,700 963 0.872 WW-6/1 7862 6/1/87 6-12" 21,600 11 ND WW-7/1 7842 5/28/87 6-12" 18,100 BMDL LT PR-1 21125 6/12/90 0-6" 574 ND ND NA PR-3 21130 6/12/90 18-24" ND NA PR-3 21134 6/12/90 18-24" ND NA				24-30"	451	NA	
B-26 7819 5/27/87 35-41" NA B-28 7820 5/27/87 37-43" NA B-28 7821 5/27/87 37-43" NA B-29 7822 5/27/87 39-45" NA B-30 7823 5/27/87 39-45" NA B-31/2 7884 6/2/87 6-12" 1,330 241 0.535 B-31/3 7885 6/2/87 6-12" 299 42 0.699 B-32/2 7887 6/2/87 6-12" 299 42 0.699 B-33/2 7888 6/2/87 6-12" 153 144 ND B-33/2 7890 6/2/87 6-12" 153 144 ND B-34/7 7883 6/2/87 0-6" 19,300* 405 B-34/1 7883 6/2/87 0-6" ND ND ND B-34/1 7886 6/2/87 0-6" ND ND ND B-32/1 7886 6/2/87 0-6" ND ND ND B-32/1 7886 6/2/87 0-6" ND ND ND B-32/1 7886 6/2/87 0-6" ND ND ND B-33/1 7889 6/2/87 0-6" ND ND ND B-33/1 7889 6/2/87 0-6" ND ND ND MW-1/1 7852 5/29/87 6-12" 761 BMDL 0.277 WW-1/2 7853 5/29/87 42-48" 4,800* BMDL 0.300 WW-2/1 7840 5/28/87 42-48" 72 50 0.38 WW-3/1 7850 5/28/87 6-12" 200 370 0.056 WW-3/2 7851 5/29/87 30-36" 735 14 0.590 WW-4/2 7853 6/1/87 42-48" 11,600 11 ND WW-4/2 7856 6/1/87 42-48" 11,600 11 ND WW-5/2 7877 6/1/87 42-48" 143 201 0.483 WW-5/1 7876 6/1/87 42-48" 143 201 0.483 WW-5/2 7851 6/1/87 42-48" 143 201 0.483 WW-5/2 7851 6/1/87 42-48" 143 201 0.483 WW-5/2 7851 6/1/87 42-48" 143 201 0.483 WW-7/1 7840 5/28/87 6-12" 20,100 963 0.872 WW-5/2 7877 6/1/87 42-48" 143 201 0.483 WW-7/1 7840 6/1/87 6-12" 16,000 11 ND WW-7/1 7842 5/28/87 6-12" 20,100 963 0.872 WW-5/2 7877 6/1/87 42-48" 143 201 0.483 WW-7/1 7840 6/1/87 6-84" 301 1.5 0.306 WW-7/1 7842 5/28/87 6-12" 18,100 BMDL LT WW-7/2 7843 5/28/87 6-12" 18,100 BMDL ND WW-7/1 7842 5/28/87 6-12" 18,100 BMDL ND WW-7/1 7842 5/28/87 6-12" 18,100 BMDL ND WW-7/1 7843 6/1/87 6-84" ND NA PR-3 21130 6/12/90 0-6" 1,690 4,518 PR-3 21132 6/12/90 0-6" 4,730 3,700" PR-3 21134 6/12/90 18-24" ND NA PR-1 21127 6/12/90 18-24" ND NA PR-2 21128 6/12/90 18-24" ND NA B-20 21128 6/12/90 12-16" 244 ND NA B-21 21131 6/12/90 12-16" 244 ND				35-41"		NA	
B-27 7820 5/27/87 37-43" NA B-29 7821 5/27/87 39-45" NA B-29 7822 5/27/87 39-45" NA B-30 7823 5/27/87 39-45" NA B-31/2 7884 6/2/87 6-12" 1,330 241 0.535 B-31/3 7885 6/2/87 42-47" 96 533 0.513 B-32/2 7887 6/2/87 40-44" 182 18 0.590 B-32/3 7888 6/2/87 40-44" 182 18 0.590 B-33/3 7889 6/2/87 45-50" 6,420" 110 ND B-33/3 7891 6/2/87 45-50" 6,420" 110 ND B-33/1 7883 6/2/87 0-6" 19,300" 405 B-31/1 7883 6/2/87 0-6" ND ND ND ND B-33/1 7889 6/2/87 0-6" ND				35-41"		NA	
B-28 7821 5/27/87 37-43" NA B-30 7822 5/27/87 39-45" NA B-31/2 7884 6/2/87 6-12" 1,330 241 0.535 B-31/3 7885 6/2/87 42-47" 96 533 0.513 B-32/2 7887 6/2/87 6-12" 299 42 0.699 B-33/3 7888 6/2/87 6-12" 153 144 ND B-33/2 7890 6/2/87 6-12" 153 144 ND B-34/3 7891 6/2/87 6-12" 153 144 ND B-34/3 7889 6/2/87 0-6" 19,300* 405 B-31/1 7886 6/2/87 0-6" ND ND ND ND B-32/1 7886 6/2/87 0-6" ND ND ND ND B-33/1 7889 6/2/87 0-6" ND ND ND ND ND B-33/1 7889 6/2/87 0-6" ND	B-27	7820		37-43"		NA	
B-29 7822 5/27/87 39-45" NA B-31/2 7884 6/2/87 6-12" 1,330 241 0.535 B-31/3 7885 6/2/87 6-12" 299 42 0.699 B-32/3 7887 6/2/87 40-44" 182 18 0.590 B-33/3 7888 6/2/87 40-44" 182 18 0.590 B-33/3 7891 6/2/87 45-50" 6,420* 110 ND B-33/3 7891 6/2/87 0-6" 19,300* 405 B-31/1 7883 6/2/87 0-6" ND ND ND ND ND B-33/1 7886 6/2/87 0-6" ND ND ND ND ND B-33/1 7886 6/2/87 0-6" ND ND ND ND ND B-33/1 7889 6/2/87 0-6" ND ND ND ND ND B-33/1 7889 6/2/87 0-6" ND ND ND ND ND B-33/1 7889 6/2/87 0-6" ND ND ND ND ND B-33/1 7889 6/2/87 0-6" ND ND ND ND ND ND B-33/1 7889 6/2/87 0-6" ND ND ND ND ND ND B-33/1 7889 6/2/87 0-6" ND	B-28	7821		37-43"		NA	
B-31/2 7884 6/2/87 6-12" 1,330 241 0.535 B-32/2 7887 6/2/87 42-47" 96 533 0.513 B-32/2 7887 6/2/87 6-12" 299 42 0.699 B-32/3 7888 6/2/87 40-44" 182 18 0.590 B-33/3 7889 6/2/87 45-50" 6,420* 110 ND B-33/3 7891 6/2/87 45-50" 6,420* 110 ND B-33/1 7883 6/2/87 0-6" 19,300* 405 B-31/1 7883 6/2/87 0-6" ND ND ND ND ND B-32/1 7886 6/2/87 0-6" ND ND ND ND ND ND B-32/1 7886 6/2/87 0-6" ND	B-29			39-45"			
B-31/3 7885 6/2/87 42-47" 96 533 0.513 B-32/2 7887 6/2/87 6-12" 299 42 0.699 B-32/3 7888 6/2/87 40-44" 182 18 0.590 B-33/2 7890 6/2/87 45-50" 6,420* 110 ND B-34 7849 5/29/87 0-6" 19,300* 405 B-31/1 7883 6/2/87 0-6" ND ND ND ND B-32/1 7886 6/2/87 0-6" ND ND ND ND MW-1/1 7852 5/29/87 6-12" 761 BMDL 0.277 MW-1/2 7833 5/29/87 6-12" 761 BMDL 0.300 MW-2/2 7841 5/28/87 42-48" 72 5 0.38 MW-3/2 7851 5/29/87 6-12" 222 369 ND MW-3/2 7851 5/29/87 6-12" 2,070 370 0.056 MW-3/2 7851 5/29/87 6-12" 2,070 370 0.056 MW-3/2 7851 5/29/87 6-12" 2,0100 963 0.872 MW-4/2 7875 6/1/87 6-12" 20,100 963 0.872 MW-4/2 7875 6/1/87 42-48" 11,600 11 ND MW-5/1 7876 6/1/87 42-48" 11,600 11 ND MW-5/1 7876 6/1/87 42-48" 143 201 0.483 MW-6/1 7880 6/1/87 6-12" 217 14 ND MW-5/1 7881 6/1/87 6-12" 217 14 ND MW-5/1 7884 6/1/87 6-12" 18,100 BMDL LT MW-7/1 7884 5/28/87 6-12" 18,100 BMDL LT MW-7/2 7883 5/28/97 6-12" 18,100 BMDL LT MW-7/2 7884 5/28/87 6-12" 18,100 BMDL LT MM-7/1 7842 5/28/87 6-12" 18,100 BMDL LT MM-7/1 7842 5/28/87 6-12" 18,100 BMDL ND PR-2 21126 6/12/90 0-6" 574 ND NA BRD 21125 6/12/90 18-24" ND NA BRD 21127 6/12/90 18-24" ND NA BRD NA BRD 21128 6/12/90 18-24" ND NA BRD 21129 6/12/90 12-16" 2,490 NA BRD 21141 6/13/90 0-6" 190 199 BRD 21142 6/13/90 6-12" 4266 299	B-30	7823	5/27/87	39-45"		NA	
B-32/2 7887 6/2/87 6-12" 299 42 0.699 B-32/2 7888 6/2/87 40-44" 182 18 0.590 B-33/2 7890 6/2/87 6-12" 153 144 ND B-33/3 7891 6/2/87 45-50" 6,420* 110 ND B-33/3 7891 6/2/87 0-6" 19,300* 405 B-31/1 7883 6/2/87 0-6" ND ND ND ND ND B-33/1 7889 6/2/87 0-6" ND ND ND ND ND B-33/1 7889 6/2/87 0-6" ND	B-31/2	7884	6/2/87	6-12"	1,330	241	0.535
B-32/3 7888 6/2/87 40-44" 182 18 0.590 B-33/2 7890 6/2/87 6-12" 153 144 ND B-34 7849 5/29/87 0-6" 19,300* 405 B-31/1 7883 6/2/87 0-6" ND ND ND ND B-32/1 7886 6/2/87 0-6" ND ND ND ND B-32/1 7889 6/2/87 0-6" ND ND ND ND B-33/1 7889 6/2/87 0-6" ND ND ND ND B-33/1 7889 6/2/87 0-6" ND ND ND ND ND MW-1/1 7852 5/29/87 6-12" 761 BMDL 0.277 MW-1/2 7853 5/29/87 42-48" 4,800* BMDL 0.300 MW-2/2 7841 5/28/87 6-12" 222 369 ND MW-2/2 7841 5/28/87 6-12" 2,070 370 0.056 MW-3/1 7850 5/29/87 30-36" 735 14 0.590 MW-4/1 7874 6/1/87 6-12" 20,100 963 0.872 MW-4/1 7875 6/1/87 6-12" 20,100 963 0.872 MW-4/2 7875 6/1/87 6-12" 6,040 9,800 0.890 MW-5/1 7876 6/1/87 6-12" 11 ND MW-5/1 7876 6/1/87 6-12" 11 ND MW-5/2 7881 6/1/87 6-12" 11 ND MW-5/2 7881 6/1/87 6-12" 11 ND MW-5/2 7881 6/1/87 6-12" 11 ND MW-5/2 7877 6/1/87 6-12" 11 ND MW-5/2 7881 6/1/87 6-12" 11 ND MW-6/2 7881 6/1/87 6-12" 11 ND MW-6/2 7881 6/1/87 6-12" 11 ND MW-7/2 7843 5/28/87 6-12" 18,100 BMDL LT MW-7/2 7843 5/28/87 6-12" 18,100 BMDL ND MM-6-1 11 11 11 11 11 11 11 11 11 11 11 11 1	B-31/3		6/2/87	42-47"			0.513
B-33/2 7890 6/2/87 45-50" 153 144 ND B-33/3 7891 6/2/87 45-50" 6,420* 110 ND B-34 7849 5/29/87 0-6" 19,300* 405 B-31/1 7883 6/2/87 0-6" ND ND ND ND ND B-32/1 7886 6/2/87 0-6" ND ND ND ND ND B-33/1 7889 6/2/87 0-6" ND ND ND ND ND MM-1/1 7852 5/29/87 6-12" 761 BMDL 0.277 MM-1/2 7853 5/29/87 42-48" 4,800* BMDL 0.300 MM-2/1 7840 5/28/87 6-12" 222 369 ND MM-2/2 7841 5/28/87 42-48" 72 5 0.38 MM-3/1 7850 5/29/87 6-12" 2,070 370 0.056 MM-3/2 7851 5/29/87 6-12" 2,070 370 0.056 MM-4/1 7874 6/1/87 6-12" 2,0100 963 0.872 MM-4/2 7875 6/1/87 42-48" 11,600 11 ND MM-5/1 7876 6/1/87 42-48" 11,600 11 ND MM-5/1 7876 6/1/87 42-48" 11,600 11 ND MM-5/2 7877 6/1/87 42-48" 11,600 11 ND MM-5/2 7881 6/1/87 76-84" 301 1.5 0.306 MM-7/1 7842 5/28/87 6-12" 18,100 BMDL IT MM-7/2 7843 5/28/87 6-12" 18,100 BMDL IN D PR-2 21125 6/12/90 0-6" 1,690 MA PR-3 21139 6/13/90 0-6" 1,690 MA PR-3 21139 6/13/90 0-6" 919 34 PR-4 21134 6/12/90 18-24" ND NA B-19 21127 6/12/90 18-24" ND NA B-20 21128 6/12/90 18-24" ND NA B-20 21128 6/12/90 18-24" ND NA B-20 21128 6/12/90 12-16" 2,490 NA B-21 21129 6/12/90 18-24" ND NA B-22 21130 6/12/90 12-16" 2,490 NA B-22 21130 6/12/90 12-16" 2,490 NA B-22 21130 6/12/90 12-16" 2,490 NA B-20 21141 6/13/90 0-6" 190 190	B-32/2	7887	6/2/87	6-12"	299		0.699
B-33/3 7891 6/2/87 45-50" 6,420* 110 ND B-34 7849 5/29/87 0-6" 19,300* 405 B-31/1 7883 6/2/87 0-6" ND ND ND ND B-32/1 7886 6/2/87 0-6" ND ND ND ND B-32/1 7889 6/2/87 0-6" ND ND ND ND MM-1/1 7852 5/29/87 6-12" 761 BMDL 0.277 MM-1/2 7853 5/29/87 42-48" 4,800* BMDL 0.300 MM-2/1 7840 5/28/87 6-12" 222 369 ND MM-2/1 7840 5/28/87 6-12" 222 369 ND MM-2/2 7841 5/28/87 42-48" 72 5 0.38 MM-3/2 7851 5/29/87 30-36" 735 14 0.590 MM-4/1 7874 6/1/87 6-12" 20,100 963 0.872 MM-4/1 7875 6/1/87 42-48" 11,600 11 ND MM-5/1 7876 6/1/87 42-48" 11,600 11 ND MM-5/1 7876 6/1/87 42-48" 143 201 0.483 MM-6/1 7880 6/1/87 6-12" 217 14 ND MM-5/2 7887 6/1/87 6-12" 217 14 ND MM-5/2 7887 6/1/87 6-12" 217 14 ND MM-6/2 7881 6/1/87 6-12" 217 14 ND MM-7/2 7843 5/28/87 6-12" 18,100 BMDL LT MM-7/2 7843 5/28/87 44-50" 55 BMDL ND PR-1 21125 6/12/90 0-6" 574 ND PR-2 21126 6/12/90 0-6" 574 ND PR-3 21139 6/13/90 0-6" 1,690 4,518 PR-3 21139 6/13/90 0-6" 1,690 4,518 PR-3 21133 6/12/90 18-24" ND NA AGT-1 21131 6/12/90 18-24" ND NA AGT-2 21134 6/12/90 18-24" ND NA B-20 21128 6/12/90 12-16" 2,490 NA B-21 21129 6/12/90 12-16" 244 MR BGD 21141 6/13/90 0-6" 190 19 BGD 21142 6/13/90 6-12" 426 29		7888		40-44"	182	18	0.590
B-34 7849 5/29/87 0-6" 19,300* 405 B-31/1 7883 6/2/87 0-6" ND	B-33/2			6-12"	153		ND
B-31/1 7883 6/2/87 0-6" ND ND ND ND ND B-32/1 7886 6/2/87 0-6" ND	B-33/3		6/2/87	45-50"	6,420*		ND
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B-20 21128 6/12/90 22-26" 4,260 NA B-21 21129 6/12/90 14-20" 3,120 NA B-22 21130 6/12/90 12-18" 244 NA BGD 21141 6/13/90 0-6" 190 19 BGD 21142 6/13/90 6-12" 426 29							
B-21 21129 6/12/90 14-20" 3,120 NA B-22 21130 6/12/90 12-18" 244 NA BGD 21141 6/13/90 0-6" 190 19 BGD 21142 6/13/90 6-12" 426 29							
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BGD 21141 6/13/90 0-6" 190 19 BGD 21142 6/13/90 6-12" 426 29							
BGD 21142 6/13/90 6-12" 426 29							
DOD 01440							
BGU 21143 6/13/90 42-48" 93 ND							
	อษม	21143	6/13/90	42-48*	93	ND .	

TABLE 2

SUMMARY OF SOIL SAMPLING AND ANALYTICAL RESULTS FOR PRIORITY POLLUTANT METALS

FRANKLIN PLASTICS CORPORATION

All results in ppm.

David and	RECON										:			•		
Boring	Sample	Sample								al Par			·		<u> </u>	
No.	No.	<u>Depth</u>	<u>Date</u>	<u>sb</u>	<u>As</u>	<u>Be</u>	<u>Cd</u>	<u>Cr</u>	<u>Cu</u>	<u>Pb</u>	<u>Ha</u>	<u>Ni</u>	<u>Se</u>	<u>Aq</u>	<u>Th</u>	<u>zn</u>
B-1	6881	12-18"		<0.1	1.95	0.76	1.9	21.6	345	68	0.14	17.9	0.33	<1	0.60	60
B-2	6882	12-18"		0.27	5.0	0.54	1.7	16.5	5.75	185	0.44	17.3	0.77	<1	0.56	77.4
B-3	6883	12-18"		0.65	1.5	0.53	3.27	20.4	43.6	83.4	<0.1	16.9	0.50	1.26	<0.1	191
B-5/1	7824	6-12"	5/27/87	ND	16	ND	38.4	19.6	164	312	0.7	22.4	0.7	ND	27	589
B-5/2	7825	34-40"	5/27/87	ND	20	1.2	1.1	7.5	64.6	739	0.4	22.1	<0.2	ND	24	193
B-6/1	7878	6-12"	6/1/87	<20	2.0	<1.0	450	22	69.6	160	0.4	20	<0.2	ND	ND	ND
B-6/2	7879	40-46"	6/1/87	29	0.8	1.3	1.0	14	31.5	48	<0.1	20	ND	ND	ND	62.7
B-7/1	7793	6-12"	5/26/87	<40	<0.4	ND	1.0	<6.0	40.2	67	<0.1	8.7	<0.2	ND	ND	49.3
B-7/2	7794	36-42"	5/26/87	<40	1,300	ND	287	41.5	232	1,040		11.1	0.2	7.3.	ND	3,020
B-8/1	7785	6-12"	5/26/87	<40	0.8	ND	185	53.8	123	1,740		43.5	<0.2	3.9	17	293
B-8/2	7786	14-20"	5/26/87	<40	0.7	ND	59.8	31.1	89.7	523	0.4	26.5	<0.2	3.2	11	487
B-9/1	7787	6-12"	5/26/87	<40	2.0	ND	<1.0	23.2	12.9	31	ND .	<6.0	ND	ND	ND	36.8
B-9/2	7788	40-46"	5/26/87	<40	<0.4	ND	:1.2	<6.0	31.8	126	0.1	17.5	<0.2	<3	ND	46.9
B-10/1	7796	6-12"	5/26/87	<40	1.4	ND	10.5	12.6	291	283	0.8	19.5	<0.2	3.2	11	290
B-10/2	7797	30-36"	5/26/87	<40	0.52	ND	1.0	ND	29.9	2,150	4.8	<6.0	0.2	ND	ND	20.0
B-11/1	7798	6-12"	5/26/87	<40	0.69	ND	8.5	12.4	60.2	288	0.3	15.0	<0.2	3.1	<10	227
B-11/2	7799	33-39"	5/26/87	<40	1.8	ND	1.4	22.9	21.7	72	0.2	26.1	ND	3.9	ND -	91.7
B-12/1	7789	6-12"	5/26/87	<40	1.8	ND	5.2	20.6	53.0	159	0.4	19.8	<0.2	3.2	11	397
B-12/2	7790	26-32"	5/26/87	48	1.2	ND	563	10.3	32.1	82	<0.1	7.0	<0.2	3.2	ND	594
B-13/1	7791	6-12"	5/26/87	<40	ND	ND	1.8	7.7	340	94	ND	22.0	<0.2	ND	ND	131
B-13/2	7792	20-26"	5/26/87	<40	0.7	ND	1.1	<6.0	24.1	76	0.4	17.7	<0.2	ND	ND	127
B-18/1	7780	6-12"	5/26/87		NALYZE	D		. = • •		• -	-		-			
B-18/2	7801	30-36"	5/26/87		NALYZE							1.	· .:			
B-15	8285	6-12"	7/9/87		NALYZEI	_		•								
B-16	8286	6-12"	7/9/87		NALYZE	_						•				

Table 2 (cont'd)

- ••	RECON														•	•
Boring	Sample	Sample							nalytic							
No.	No.	<u>Depth</u>	<u>Date</u>	<u>Sb</u>	<u>As</u>	<u>Be</u>	<u>Cd</u>	<u>Cr</u>	<u>Cu</u>	<u>Pb</u>	<u>Ha</u>	<u>Ni</u>	<u>Se</u>	<u>Ag</u>	Th	<u>Zn</u>
B-17	8287	6-12"	7/9/87	NOT	ANALYZI	ED.										
B-23/1	7802	6-12"	5/26/87		ANALYZI											
B-23/2	7803	68-74"	5/26/87		ANALYZI										•	
B-19-22	7882		-,,									* •				
B-24/1	7804	6-12"	5/26/87	NOT	ANALYZI	ED C							•			
B-24/2	7805	24-30"	5/26/87		ANALYZI						:					
B-31/1	7883	0-6"	6/2/87	38	0.5	<1.0	130	65	88	360	0.6	87	<0.2	ND	ND	234
B-31/2	7884	6-12"	6/2/87	29	0.8	<1.0	250	67	84.9	265	0.3	66	<0.2	ND	ND	131
B-31/3	7885	42-47"	6/2/87	25	2.4	<1.0	18	15	81.0	225	0.6	18	0.2	ND	ND	740
B-32/1	7886	0-6"	6/2/87	33	ND	<1.0	9	32	106	229	1.4	55	<0.2	<3	ND	<170
B-32/2	7887	6-12"	6/2/87	34	2.0	<1.0	2	16	25.0	123	0.3	19	<0.2	ND	ND.	341
B-32/3	7888	40-44"	6/2/87	34	1.1	1.7	7	26	45.6	221	0.5	26	<0.2	ND	ND	258
B-33/1	7889	0-6"	6/2/87	42	8.3	1.7	9	3.3	46.1	161	0.2	69	<0.2	ND	ND	214
B-33/2	7890	6-12"	6/2/87	21	1.5	1.6	510	32	20.5	44	<0.1	44	ND	ND	ND	126
B-33/3	7891	45-50"	6/2/87	3,35		<1.0	510	145	2,070	802	0.2	31	<0.2	ND	ND	1,180
B-34	7849	0-6"	5/29/87		ANALYZE				-,		-	·			, -,	
MW-1/1	7852	6-12"	5/27/87	ND	2.8	ND	1.4	20.9	37.6	229	0.4	13.9	<0.2	ND	ND	122
MW-1/2	7853	42-48"	5/27/87	40	15	<1.0	22.7	7.5	212	179	0.7	18.5	0.3	ND	ND	482 .
MW-2/1	7840	6-12"	5/27/87	ND	7.9	<2	<2	24.2	11.9	69	<0.2	15.3	0.2	3.0	34	65,9
MW-2/2	7841	42-48"	5/27/87	31	15	1.2	<1.0	15.4	11.7	69	<0.2	15.3	0.2	3.0	34	48.2
MW-3/1	7850	6-12"	5/27/87	61	6.5	ND	69.5	39.4	96.9	527	0.5	400	<0.2	ND	ND	333
MW-3/2	7851	30-36"	5/27/87	38	11	<1.0	8.4	7.1	20.9	68	<0.2	14.3	<0.2	ND	ND	32.5
MW-4/1	7874	6-12"	6/1/87	38	<0.4	<1.0	44	26	174	218	0.3	26	<0.2	ND	ND	278
MW-4/2	7875	42-48"	6/1/87	29	ND	ND	10	21	136	219	0.1	25	<0.2	ND	ND	270
MW-5/1	7876	6-12"	5/27/87	20	2.5	4.0	85	14	23.2	40	0.1	14	<0.2	ND	ND	64.3
MW-5/2	7877	42-48"	6/1/87	25	<0.4	<1.0	4	18	717	436	0.7	16	<0.2	ND	ND ·	302
MW-6/1	7880	6-12"	6/1/87	25	1.7	1.3	480	31	75.8	302	0.6	27	<0.2	ND	ND	454
MW-6/2	7881	76-84"	6/1/87	42	2.1	1.3	1	18	136	1,150	0.2	22	0.36	ND	ND	133
MW-7/1	7842	6-12"	5/27/87	ND	3.2	ND	1.8	19	124	239	0.4	12.5	<0.2	<3	ND	474
MW-7/2	7843	44-40"	5/27/87	ND	9.9	<2	43.7	31.0	210	146	0.5	16.2	0.2	ND	ND	1,570
PR-1	21125	0-6"	6/12/90	<1.7	NA	NA	0.58	26.7	49.2	250	NA	NA	NA .	NA	NA	223
PR-2	21126	0-6"	6/12/90		OO NA	NA	4.75	97.3	80.6	7.1	NA	NA	NA	NA	NA	201
PR-3	21139	0-6"	6/13/90	2.9	NA	NA	8.49	54.7	53.0	382	NA	NA	NA	NA	NA	133
			• •									•			•-	

Table 2 (cont'd)

Boring	RECON Sample	Sample						An	alytic	al Par	amete	:				· · · · · ·
No.	No.	<u>Depth</u>	<u>Date</u>	<u>Sb</u>	<u>As</u>	<u>Be</u>	<u>Cd</u>	Cr	<u>Cu</u>	<u>Pb</u>	<u>Ha</u>	<u>Ni</u>	<u>Se</u>	<u>Þ4</u>	Th	Zn
PR-4 BGD BGD BGD	21140 21141 21142 21143	0-6" 0-6" 6-12" 42-48"	6/13/90 6/13/90 6/13/90 6/13/90	<1.9 1.8 ND ND	NA NA NA NA	NA NA NA NA	1.68 0.47 2.2 0.54	44.8 16.4 18.3 16.0	85.6 40.7 33.7 101	143 82.2 82.9 120	NA NA NA NA	NA NA NA	NA NA NA NA	NA NA NA NA	NA NA NA	240 171 129 310

ECRA ACTION LEVELS

-	VIICTIMOTIA	L
-	Arsenic	20
-	Beryllium	1
=	Cadmium	3
=	Chromium	100
=	Copper	170
=	Lead	100
=	Mercury	1
=	Nickel	100
==	Selenium	4
=	Silver	5
=	Thallium	5
=	Zinc	350
		Beryllium Cadmium Chromium Chromium Copper Lead Mercury Nickel Selenium Silver Thallium

TABLE 3

SUMMARY OF GROUNDWATER SAMPLE RESULTS

FRANKLIN PLASTICS CORPORATION

All water results in mg/l (parts per million by weight).

Well No.	RECON Sample No.	<u>Date</u>	Petroleum <u>Hydrocarbons</u>	pH_(SU)	Total Dissolved <u>Solids</u>	Total Volatile <u>Organics</u>	Total <u>Phthalates</u>	Total Polycyclic Aromatic <u>Hydrocarbons</u>	Total Base <u>Neutrals</u>
MW-1	21575	7/2/90	8.6	6.45	275	ND	ND	LT	LT.
MW-3	21577	7/2/90	2.0	6.92	194	0.143	LT	ND	LŤ
MW-5	21579	7/2/90	1.9	6.54	368	0.006	ĹŤ	ND	LT
MW-6	21580	7/2/90	0.5	6.60	223	LT	ND	ND	ND
MV-7	21581	7/2/90	0.7	6.46	472	0.021	0.053	ND	0.053
MW-2R	21576	7/2/90	1.9	6.59	440	ND	ND ·	ND	ND
MW-4R	21578	7/2/90	10.8	6.21	393	LT	0.435	ND	0.435
DW-3	21582	7/2/90	1.9	6.79	2,681	LT	ND	ND	ND .
DW-4	21583	7/2/90	2.2	6.65	3,121	ND .	ND	ND .	ND .
DW-5	21584	7/2/90	0.9	6.41	2,674	0.045	0.017	ND	0.017
Field Blank	21585	7/2/00	0.5	UA.	MA	··· · · · · · · · · · · · · · · · · ·	12 2 117		

None Detected

LT = Detected amount, if any, is less than minimum detection limit.

Petroleum Hydrocarbons analyzed via US EPA Method 418.1.

Reported concentrations do not include estimated or tentatively identified compounds.

1575.TAB

8.11.90

7,730

TABLE 4

SUMMARY OF GROUNDWATER SAMPLING AND ANALYSIS RESULTS

for

PRIORITY POLLUTANT METALS

FRANKLIN PLASTICS CORPORATION

All water results in mg/l (parts per million by weight).

Sample Identification RECON Sample No.	HV-1 21575	MW-2R 21576	MW-3 21577	MW-4R 21578	MW-5 21579	MW-6 21580	MW-7 21581	DW-3 21582	DW-4 21583	DW-5 21584	Minimum Detection Limit
PARAMETER											
Antimony Arsenic Beryllium Cadmium Chromium Copper Lead Mercury Nicket Selenium	ND O.O3 ND LT LT LT MD ND LT ND	ND LT ND LT ND ND ND ND ND	ND LT LT LT ND ND ND ND ND ND	ND O.01 ND LT LT LT ND O.003 ND	ND O.01 ND LT ND ND ND ND ND ND	ND O.01 LT O.005 ND ND ND ND ND ND	ND LT 0.005 0.008 ND 0.18 0.08 LT ND	LT 0.04 0.008 LT ND LT LT ND LT	LT LT LT LT ND LT LT ND <0.06	LT ND LT LT ND LT LT ND LT ND	0.05 0.01 0.003 0.003 0.02 0.01 0.03 0.001 0.06 0.008
Silver Thalljum Zinc	ND ND 0.025	ND LT 0.019	ND LT 0.005	ND LT 0.019	ND LT 0.039	LT LT 0.071	ND ND 0.103	LT 0.06 0.008	LT 0.07 0.013	LT 0.06 0.013	0.008 0.04 0.003

ID = None Detected

LT - Detected amount if any, was less than minimum detection limit.

1575.TAB

TABLE 5

SUMMARY OF MONITORING WELL DATA

FRANKLIN PLASTICS CORPORATION

Well No.	MV-1	MW-3	MW-5	MW-6	MW-7	MW-2R	MW-4R	DW-3	DW-4	DW-5
Permit No.	26-10790-2	26-10792-9	26-10794-5	26-10795-3	26-10796-1	26-20675-7	26-20755-9	26-20725-7	26-20726-5	26-20727-3
Date Installed	5/29/87	5/29/87	6/1/87	6/1/87	5/28/87	6/13/90	6/13/90	6/14/90	6/14/90	6/14/90
Cased Interval	0-3/	0-1.5	0-2.5	0-5'	0-2.5	+2.51	0-2.5*	0-164	0-161	0-16'
Screened Interval	3-8'	1.5-6.5*	2.5'-6'	5-10′	2.5-9'	2.5-7.5'	2.5-7.5'	16-21	16-21'	16-21/
Surveyed Elevat (MSL)*	fon 7.74*	8.68'	7.26'	12.77'	10.901	10.07'	6.981	6.13'	7.111	7.56'
Water Level** Elevation (MSI 7/2/90	L) 3.6'	4.38′	3.41'	3.77′	2.30'	4.07'	3.63′	1.13′	1.05′	0.16"
Static Water Lev	rel		•					:	,	
Elevation (MSL) 8.9.90	3.61	4.43'	4.29'	4.12'	4.75'	4.22'	4.441	1.82	1.64*	1.69'
Diameter	40	4n	4"	411	4 ¹¹	44	4#	2"	2"	2 ⁿ
Slot Size	0.020"	0.020"	0.020#	0.020"	0.020"	0.020"	0.020"	0.020"	0.020"	0.020"
Total Depth**	80'	6.5'	6.01	10.01	9.01	7.5'	7.5'	21.0'	21.0'	21.0
Construction Material	Teflon	Teflon	Teflon	Teflon	Teflon	PVC ⁻	PVC	PVC	PVC	PVC
Well Design	Flush Mount	Stick Up	Flüsh Mount	Stick Up	Stick Up	Stick Up	Flush Mount	Flush Mount	Flush Mount	Flush Mount

^{*} Reference Point is Top of Inner Casing.

1575.TAB

8.11.90

^{**} Below Reference Point (August 9, 1990)

^{***} Mean Sea Level

TABLE 6

RESULTS OF TOTAL ORGANIC CARBON

FRANKLIN PLASTICS CORPORATION

 Sample No.
 RECON Sample No.
 Results
 Limit

 PR-3W
 21173
 4.6
 2.0

TOC analyzed via US EPA Method 415.2

TABLE 7

RESULTS OF GRAIN SIZE ANALYSES

FRANKLIN PLASTICS CORPORATION

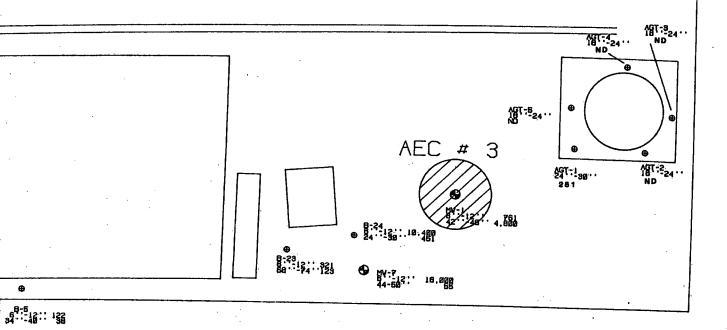
			*	
Sample Identification	PR-1	PR-2	PR-3	PR-4
RECON Sample No.	21125	21126	21139	21140
Depth	0-6"	0-6"	0-6"	0-6"
Mircon Size	Weight	Percent (Dry Basis)	
>4,000	63.6	53.6	55.7	74.8
2,000 - 4,000	12.5	13.6	19.3	7.9
1,000 - 2,000	4.3	5.6	4.6	3.7
250 - 1,000	10.9	14.4	11.1	10.6
125 - 250	3.3	4.8	4.5	1.5
88 - 125	1.2	2.0	1.5	0.4
63 - 88	0.5	0.7	0.3	0.1
44 - 88	1.7	2.9	1.5	0.4
<44	1.9	1.9	1.3	0.5
Analytical Loss	0.1	0.5	0.2	0.1

< = Less than value shown.</pre>

NOTE: Sediment lithology would be very coarse sand/fine gravel (Wentworth).

> = Greater than value shown.

FIGURES



SOIL SAMPLING LOCATION

DUS SOIL BORING LOCATIONS AND PHC ANALYSIS (PPm)

RING WELL LOCATIONS

NED VELL

ETECTED

MINIMUM DETECTION LIMIT

ALYZED

OF ENVIRONMENTAL CONCERN

FIGURE :

ROUTE 202 NORTH, THREE BRIDGES, NJ 08867

SOIL SAMPLING LOCATIONS
PETROLEUM HYDROCARBON RESULTS
AND AREAS OF ENVIRONMENTAL CONCERN

CL ENT:

FRANKLIN PLASTICS

SCALE:

AS NOTED

DRAVN:

AHU

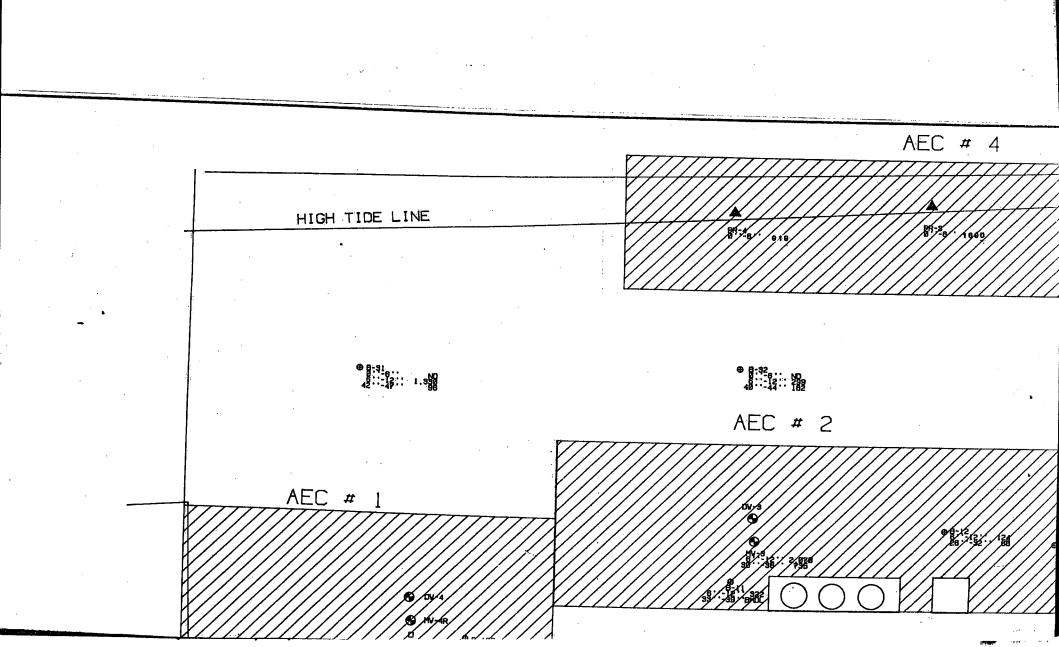
CHECKED: CAE

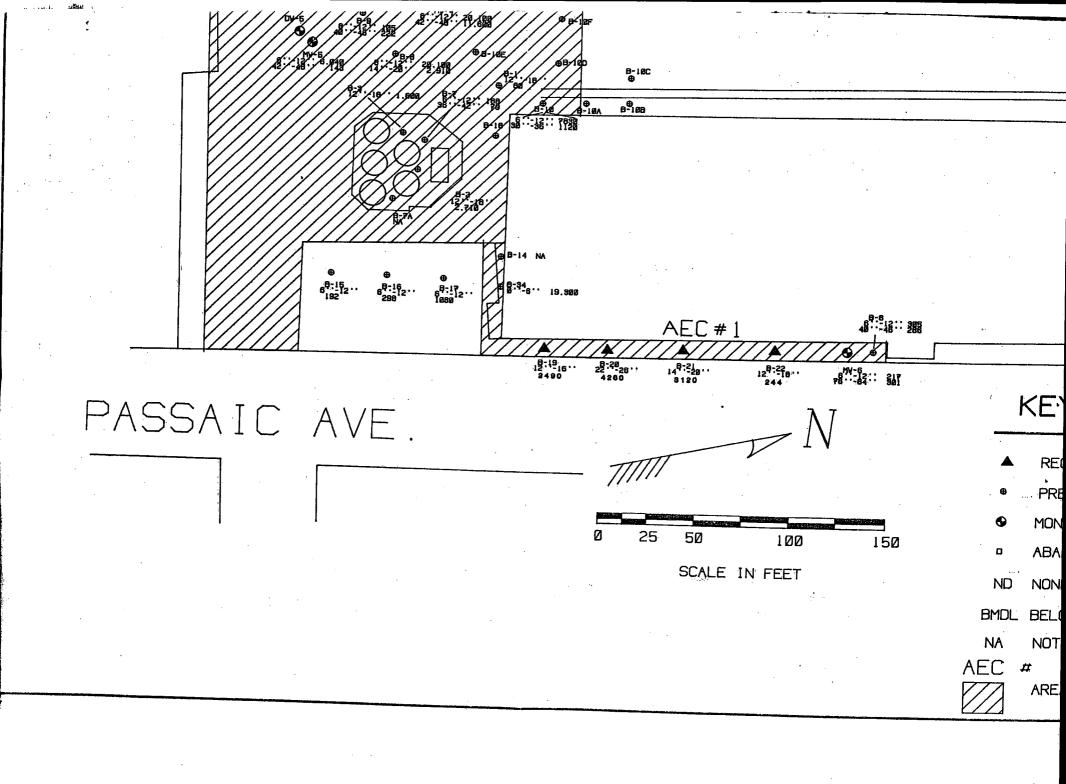
APPROVED: SEL

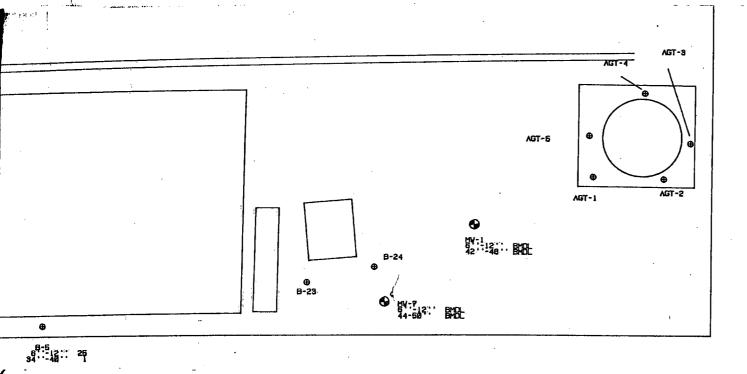
DATE: 8-15-90

DRAVING NO.

Ø··-67-1







ENT SOIL SAMPLING LOCATION

VIOUS SOIL BORING LOCATIONS AND B/N ANALYSIS (ppm)

ITORING WELL LOCATIONS

NDONED VELL

E DETECTED

OW MINIMUM DETECTION LIMIT

ANALYZED

FIGURE 2

ROUTE 202 NORTH, THREE BRIDGES, NJ Ø888?

TITLE: SOIL SAMPLING LOCATIONS AND BASE NEUTRAL RESULTS

CLIENT:

FRANKLIN PLASTICS

SCALE:

AS NOTED

DRAWN:

AHU

CHECKED: CAE

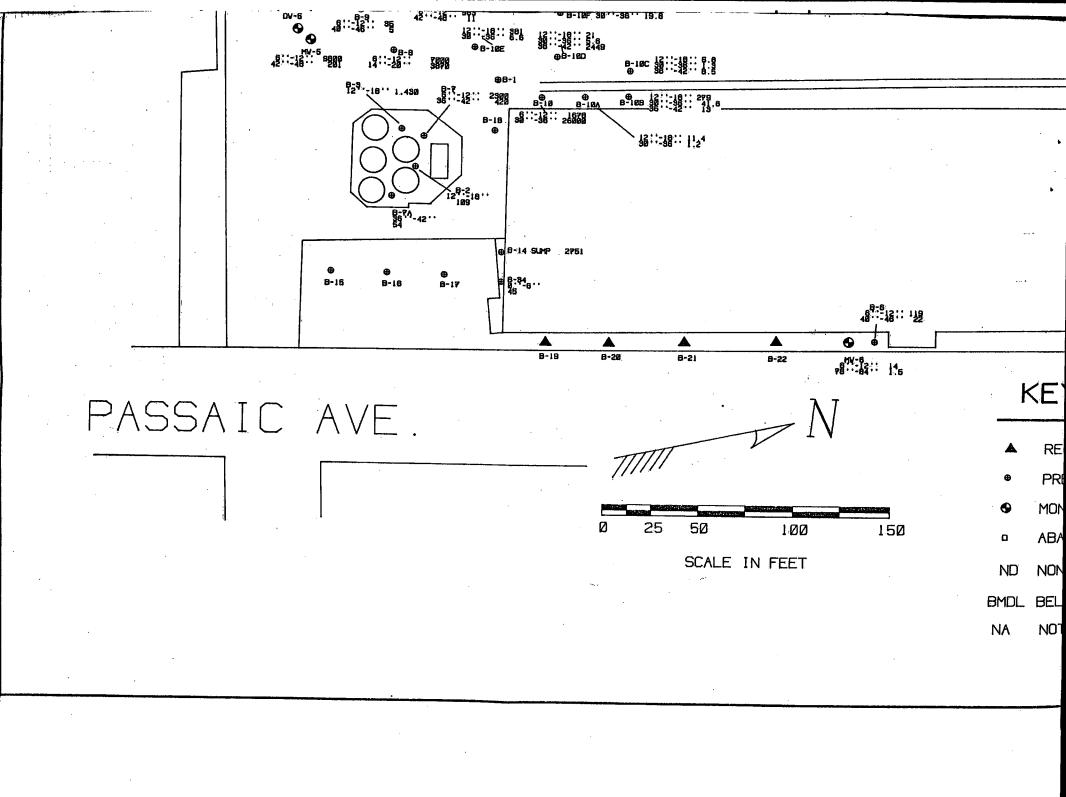
APPROVED: SEL

DATE: 8-15-90

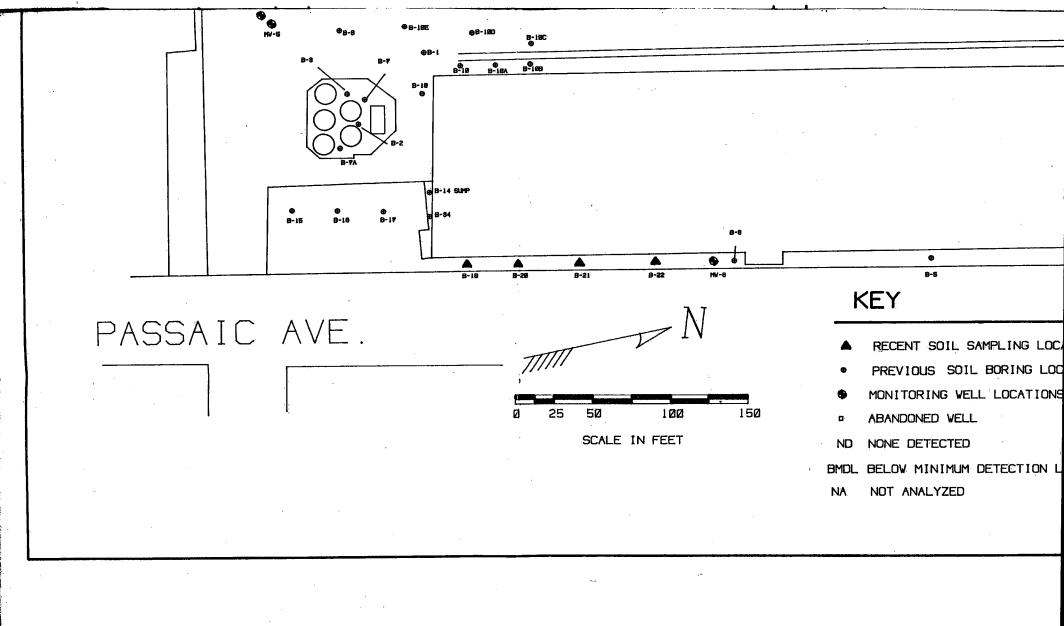
DRAVING NO. 1699-101-D

A BR:16·· ND PR:26... ...ī§9.. 79 fa

HIGH TIDE LINE PR:3 4518 PR:46.. ⊕ 8-92 8-32 12 - 44 48 - 44 - 18 ⊕8-12 26 - 132 - 218 12:::18::: 15:8 ⊕ B-18G



HIGH TIDE LINE PR-8 ⊕B-12



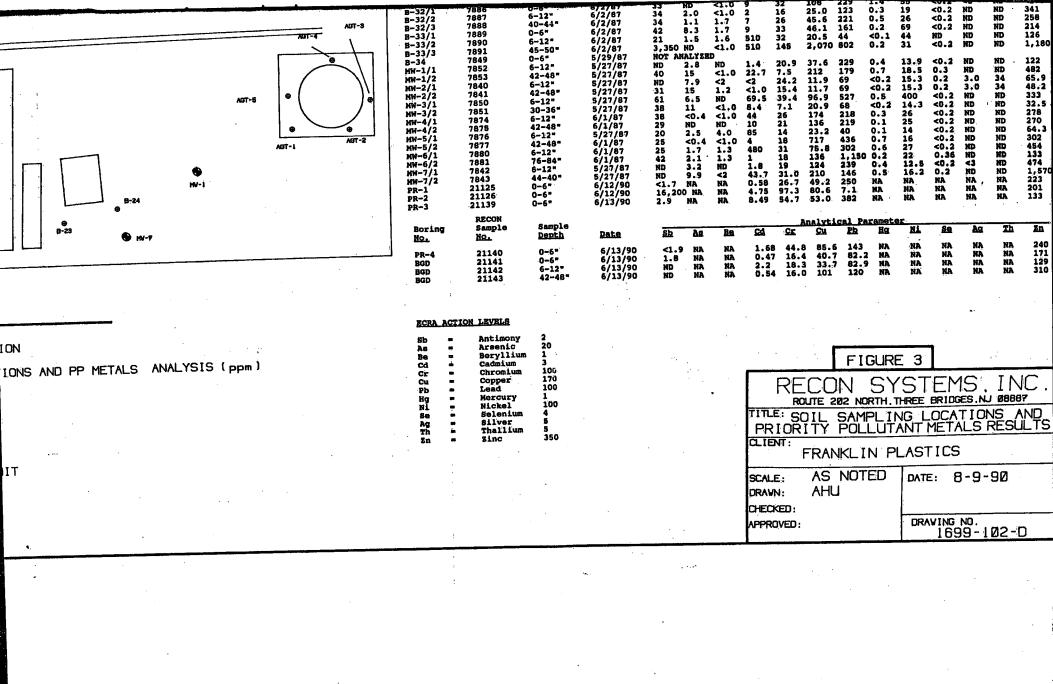
SUMMARY OF SOIL SAMPLING AND ANALYTICAL RESULTS FOR PRIORITY POLLUTANT METALS

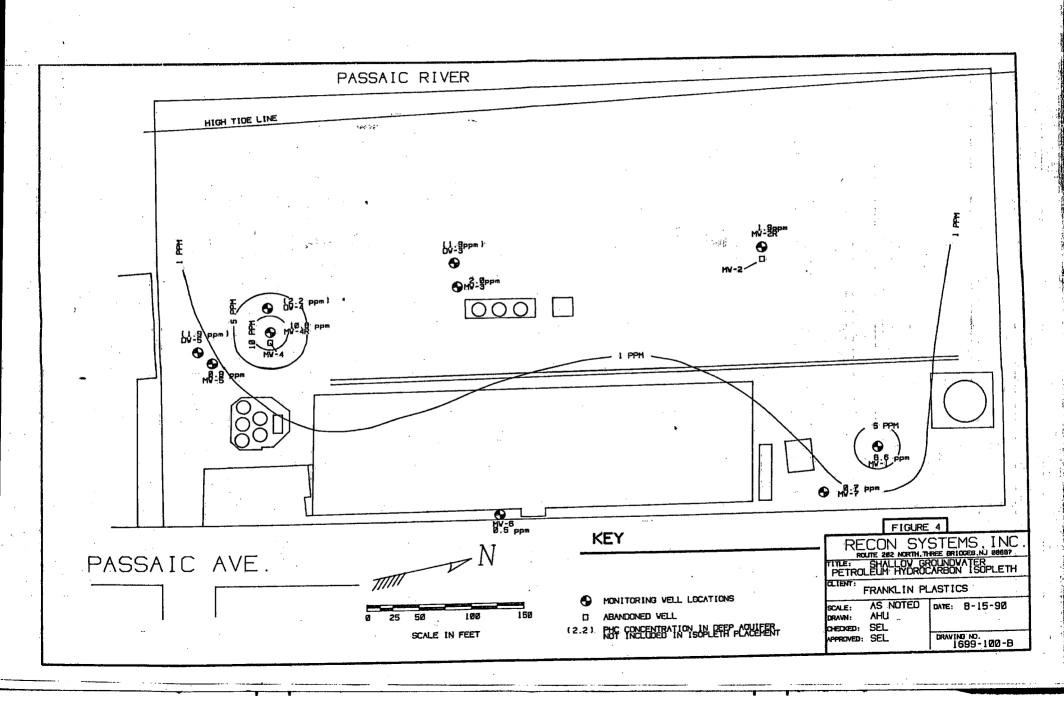
PRANKLIN PLASTICS CORPORATION

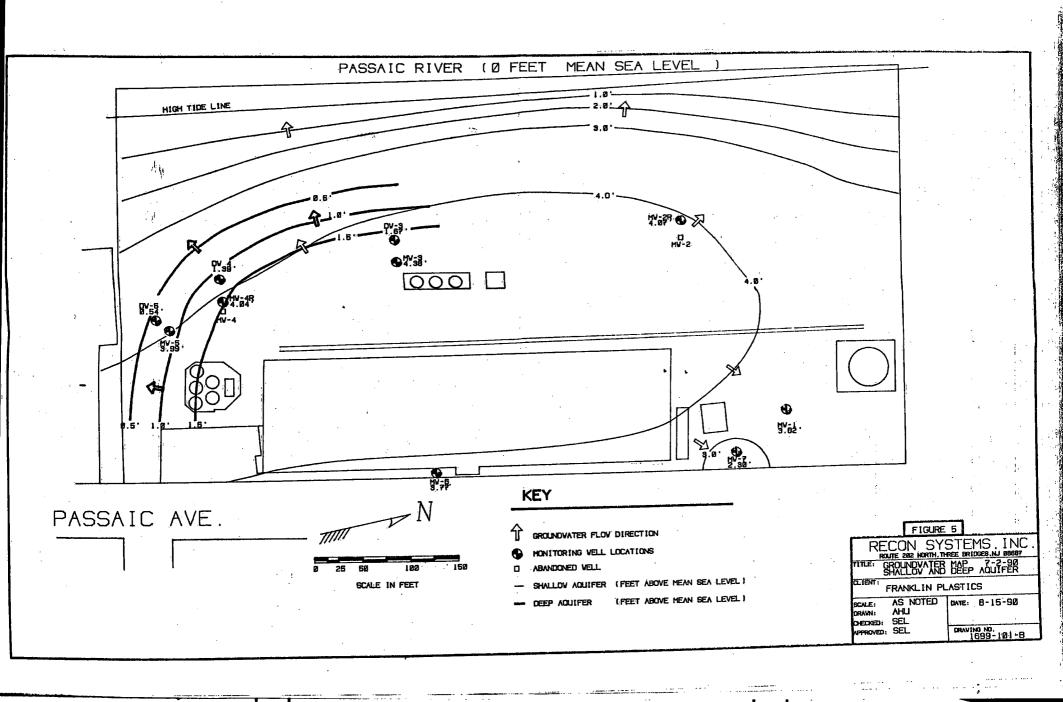
All results in ppm.

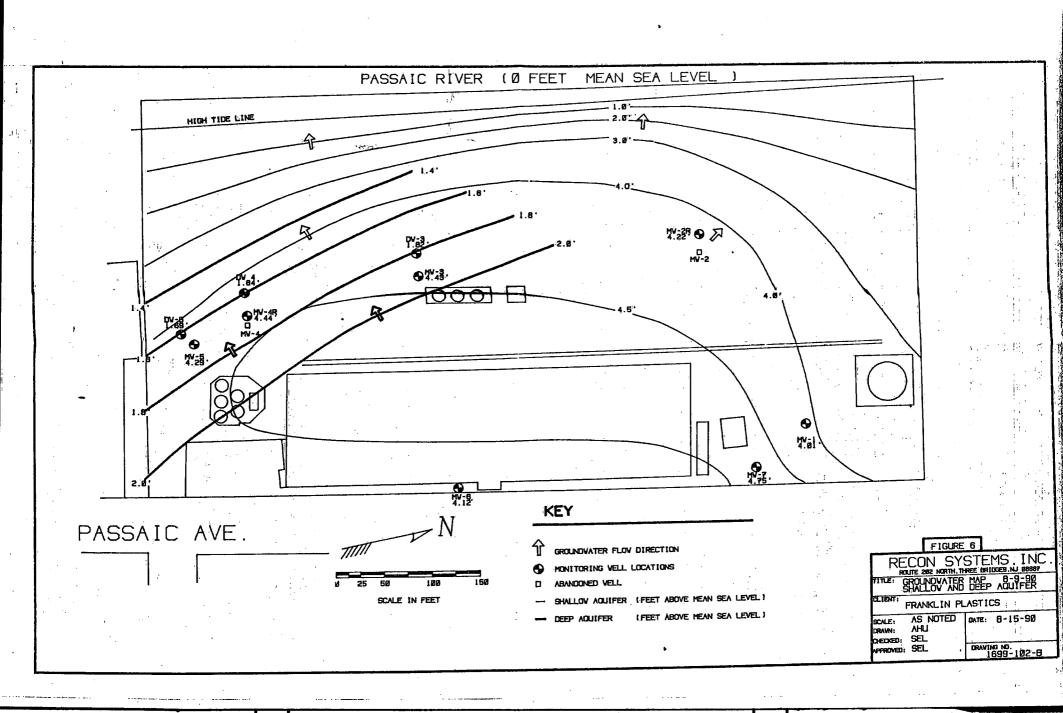
	RECON							An.	alvtin	al Par	metez					
Boring No.	Sample <u>No.</u>	Sample <u>Deptl</u>	Date	Sb	As	Be	Cd	Cr	Cu	Pb	Ha	Ni	69	Aq	Ih	žn
B-1	6881	12-18"		<0.1	1.95	0.76	1.9	21.6	345	68	0.14	17.9	0,33	<1	0.60	60
B-2	6882	12-18"		0.27	5.0	0.54	1.7	16.5	5.75	185	0.44	17.3	0.77	<1	0.56	77.4
	6883	12-18"		0.65	1.5	0.53	3.27	20.4	43.6	83.4	<0.1	16.9	0.50	1.26	<0.1	191
B-3 B-5/1	7824	5-12"	5/27/87	ND	16	ND	38.4	19.6	164	312	0.7	22.4	0.7	ND	27	589
B-5/2	7825	34-40"	5/27/87	ND	20	1.2	1.1	7.5	64.6	739	0.4	22.1	<0.2	ND	24	193
B-6/1	7878	6-12	6/1/87	<20	2.0	<1.0	450	22	69.6	160	0.4	20	<0.2	ND	ND	ND
8-6/2	7879	40-46"	6/1/87	29	0.8	1.3	1.0	14	31.5	48	<0.1	20	ND	ND	ND	62.7
B-7/1	7793	6-12"	5/26/87	<40	<0.4	ND	1.0	<6.0	40.2	67	<0.1	8.7	<0.2	ND	ND	49.3
B-7/2	7794	36-42"	5/26/87	<40	1,300	ND	287	41.5	232	1,040	1.7	11.1	0.2	7.3	ND	3,02
B-8/1	7785	6-12	5/26/87	<40	0.8	ND	185	53.8	123	1,740	0.1	43.5	<0.2	3.9	17	293
B-8/2	7786	14-20"	5/26/87	<40	0.7	ND	59.8	31.1	89.7	523	0.4	26.5	<0.2	3.2	11	487
B-9/1	7787	6-12	5/26/87	<40	2.0	ND	<1.0	23.2	12.9	31	ИD	<6.0	ND	ND	ND	36.8 46.9
B-9/2	7788	40-46"	5/26/87	<40	<0.4	ND	1.2	<6.0	31.8	126	0.1	17.5	<0.2	₹3_	ND	
B-10/1	7796	6-12*	5/26/87	<40	1.4	ND	10.5	12.6	291	283	0.8	19.5	<0.2	3.2	11	290 20.0
B-10/2	7797	30-36"	5/26/87	<40	0.52	ND	1.0	ND .	29.9	2,150		<6.0	0.2	ND	ND	20.0
B-11/1	7798	6-12	5/26/87	<40	0.69	ND	8.5	12.4	60.2	288	0.3	15.0	<0.2	3.1	<10	91.7
B-11/2	7799	33-39*	5/26/87	<40	1.8	ND	1.4	22.9	21.7	72	0.2	26.1	ND	3.9	ND 11	397
B-12/1	7789	6-12*	5/26/87	<40	1.8	ND	5.2	20.6	53.0	159	0.4	19.8	<0.2	3.2		594
B-12/2	7790	26-32*	5/26/87	48	1.2	ND	563	10.3	32.1	82	<0.1	7.0	<0.2	3.2	nd Nd	131
B-13/1	7791	6-12"	5/26/87	<40	ND	ND	1.8	7.7	340	94	MD	22.0	<0.2	ND	ND	127
B-13/2	7792	20-26"	5/26/87	<40	0.7	ND	1.1	<6.0	24.1	76	0.4	17.7	<0.2	ND	MD	12/
B-18/1	7780	6-12"	5/26/87	NOT	ANALYZE	D										
B-18/2	7801	30-36*	5/26/87	NOT	ANALYZE	D.										
B-15	8285	6-12"	7/9/87	NOT	ANALYZE	D										
B-16	8286	6-12"	7/9/87	NOT	ANALYZI	D										
	RECON			_				_								
Boring	Sample	Sampi.e								al Pare		44.4		PA	Th	žn
No.	No.	Deptil	<u>Date</u>	<u>8b</u>	Vα	<u>Be</u>	<u>Cd</u>	CE	<u>Cu</u>	<u>Pb</u>	<u>Ha</u>	NT.	<u>Se</u>	AY.	Au	en.
B-17	8287	6-12"	7/9/87		NALY 8 B										4	
B-23/1	7802	6-12"	5/26/87		Malyebi				٠.						_	
B-23/2	7803	68-74"	5/26/87	NOT F	MALYZEI)		•								
B-19-22	7882		•													
B-24/1	7804	6-12"	5/26/87		Malyzbi											
B-24/2	7805	24-30"	5/26/87		Malyzei							87	<0.2	ND	'ND	234
8-31/1	7883	0-6"	6/2/87	38	0.5	<1.0	130	65	88	360	0.6	66	<0.2		· ND	131
B-31/2	7884	6-12"	6/2/87	29	0.8	<1.0	250	67	84.9	265	0.3	. 00	<u.2< td=""><td>MD . 1.</td><td>تئسن حجود</td><td>سمعت</td></u.2<>	MD . 1.	تئسن حجود	سمعت

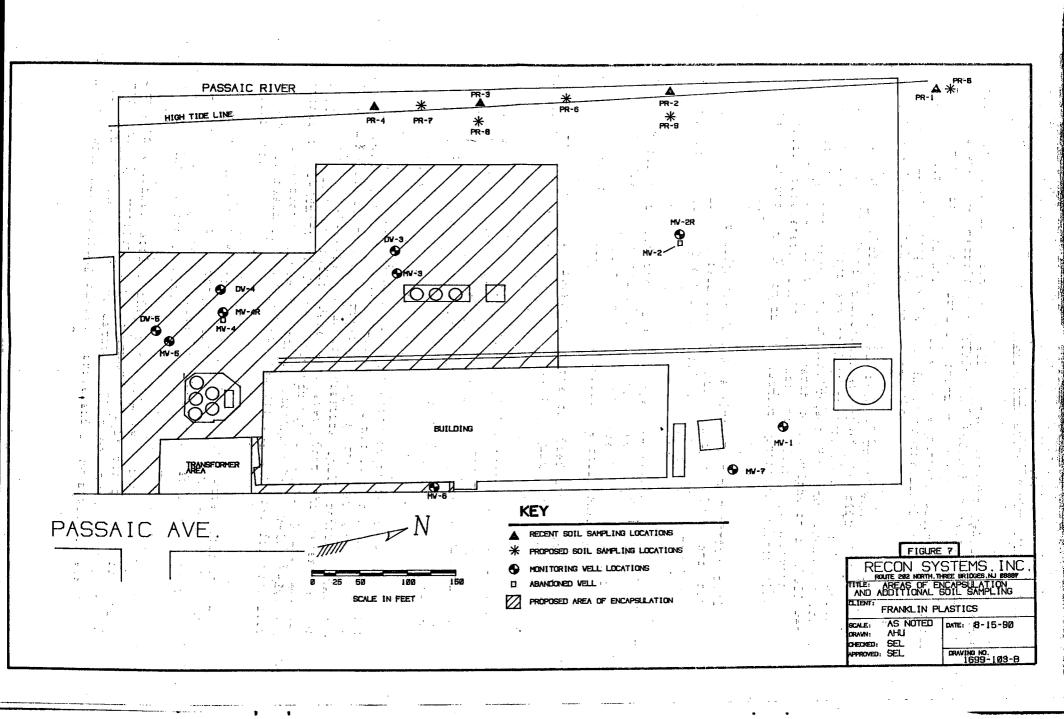
BACKGROUND











APPENDIX I

NJ DEP Letter Dated April 4, 1990

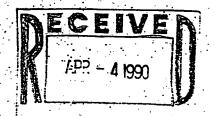


State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF HAZARDOUS WASTE MANAGEMENT

CN 028 Trenton, N.J. 08625-0028 (609) 633-7141 Fex # (609) 633-1454



CERTIFIED MAIL
RETURN RECEIPT REQUESTED
Robert M. Becker, Esq.
Sills, Cummis, Zuckerman, et. al.
33 Washington Street.
Newark, NJ 07102-3179

Dear Mr. Becker:

Re: Franklin Plastics Corp.
Kearny Town, Hudson County
ECRA Case #86026
Sampling Plan Dated: October 23, 1989

The Department has reviewed Recon System's letter of October 23, 1989 in conjunction with the analytical data submitted on October 2, 1987. Recon's proposal was submitted to the Department in response to the Department's August 18, 1989 letter which required a soils and ground water Sampling Plan to further characterize the site. Recon's letter shall constitute a Sampling Plan and the Department's review comments of this plan and the October 2, 1987 data are incorporated into this Sampling Plan approval.

The information contained in Recon Systems' letter of June 15, 1988 was requested by the Department in a letter dated May 11, 1988. Any questions regarding this should reference specific issues.

Pursuant to the authority vested in the Commissioner of the New Jersey Department of Environmental Protection (NJDEP) by the Environmental Cleanup Responsibility Act (ECRA, N.J.S.A. 13:1K-6 et seq.) and delegated to the Chief of the Bureau of Environmental Evaluation and Cleanup Responsibility Assessment pursuant to N.J.S.A. 13:1B-4, the referenced Sampling Plan is hereby approved as conditioned herein:

I. SOILS

l. The soil samples requested in the Department's August 18, 1989 letter shall be relocated. Five soil sample points shall be located along the shoreline of the Passaic River at the mean high tide level. The approximate locations are shown on the attached map. The purpose of these samples is to document any surface migration of contamination from this site to the Passaic River. Two of the samples shall be taken offsite, one upstream and one downstream of the property to serve as



background samples. Samples shall be taken at the 0-6 inch interval and analyzed for petroleum hydrocarbons (PHC), base neutral compounds +15 (BN+15) antimony, cadmium, chromium, copper, lead, zinc, and particle size distribution profile. One surface water sample shall also be collected from the Passaic River at the middle sample location and analyzed for Total Organic Carbon (TOC).

- 2. One soil boring shall be placed at the north east corner of the property for background characterization of the fill. This boring shall be sited away from any production areas. Soil samples shall be collected at three depths 0-6 inches. 6-12 inches and 42-48 inches (or at the 6 inch interval above the water table whichever is shallower). Analytical parameters shall include petroleum hydrocarbons, base zinc at each interval.
- 3. The proposal to modify the soils analysis from priority pollutant metals to antimony, cadmium, chromium, copper, lead and zinc is acceptable and is reflected in soil analytical requirements in this
- 4. The proposal to modify the soils analysis from base neutral compounds + 15 to phthalates and polycyclic aromatic hydrocarbons (PAH) is not acceptable. Other base neutral compounds were found in the soils, and BN+15 is needed to accurately characterize the soils onsite:
- 5. A site map showing the location of the pil feed line from the 50,000 gallon above ground fuel oil tank-shall be submitted with the next data
- 6. 50,000 Gallon Aboveground Fuel Oil Tank. The proposal to collect soil samples at 0-6 inches below the crushed stone fill along the four sides of the concrete pad is acceptable. The Remedial Investigation Guide should be consulted to determine sample frequency. All samples shall be analyzed for petroleum hydrocarbons, and 25 percent of the samples shall also be analyzed for BN+15.
- From the reports submitted it appears that samples B-19, B-20, B-21 and B-22 were composited and analyzed for petroleum hydrocarbons. Composite samples are not acceptable for post-excavation sampling. Franklin Plastics shall confirm that the visibly contaminated soils were excavated from this area as was plan" dated February 12, 1987. Sample Tocations B-19, B-20, B-21, and hydrocarbons.
- 8. The summary sheets for Phase I soils and ground water sampling were incomplete. In future reports, all results including non-detects (ND) units, and includes sample depths.
- 9. A complete detailed scaled site map shall be included with the next submission. Information to be included on this map shall be all areas locations with all sampling results (above and below action levels.)

II. GROUND WATER

- The Department is requiring the installation of three deep monitoring wells at the locations of MW-3, MW-4 and MW-5 to determine any impacts of Dense Non Aqueous Phase Liquids (DNAPLS) to the deeper aquifer. The levels of contamination found in the soils raise the possibility of well at the location of MW-4 will be inconclusive in determining impacts to the deeper aquifer.
- 2. Once the deep wells are installed, all wells on site shall be sampled for petroleum hydrocarbons, volatile organics + 15 (method 624) base neutrals + 15 (method 625), priority pollutant metals, total dissolved solids and pH. This second round of sampling is required for the shallow wells to confirm the levels of contaminants found in the first round of samples.
- 3. A ground water contour map for each water bearing unit shall be constructed from data collected at the time of sampling and shall be submitted to the Department with the next round of data.

III. GENERAL REQUIREMENTS

- A. Franklin Plastics Corp. shall accomplish this investigation and any further analytical investigations by the methods outlined in this Sampling Plan. If any change in methods outlined in this sampling plan is necessary or if any delays are encountered, Franklin Plastics Corp. shall inform BEECRA in writing prior to implementation.
- B. Franklin Plastics Corp. shall submit summarized analytical results in tabular form. Franklin Plastics Corp. shall also submit with the analytical data all documents associated with the sampling and testing including but not limited to lab sheets, chain of custody, results of blank analyses, lab chronicles, summary of analytical instrument tuning, and analytical methods used.
- C. Franklin Plastics Corp. shall submit the results in triplicate within 90 days of receipt of this approval.
- D. Franklin Plastics Corp. shall notify NJDEP at least five business days prior to implementation of sampling.
- E. If contamination is determined to exist above a level found acceptable by NJDEP, Franklin Plastics Corp. shall prepare and submit a Clear Plan developed pursuant to N.J.A.C. 7:26B-5.3 to address said contamination. If the data from implementation of the approved Sampling Plan indicates the presence of contamination, but is not sufficient to define the full horizontal and vertical extent, then such areal definition shall be proposed as a Sampling Plan Addendum in a horizontal and vertical extent of N.J.A.C. 7:26B-3.2(c)11. The before an approvable Cleanup Plan care developed.

IV. ECRA Standards for Data Requirements, Presentation and Proposals

A. Data Requirements

The following information shall be included with the results of sampling.

- 1. Logs for all soil borings and wells
- 2. Soil profile logs for all excavations.
- Monitoring Well Certification Forms: Form (As-Built Certification) and form BE (Location Certification) shall be completed for each monitoring well installed. Form A shall be submitted with the results of sampling. Because additional wells are sometimes required to complete a hydrogeologic investigation, all required ground water monitoring wells, unless required prior to that time by the Department. As built diagrams of all wells shall be included with Form A.
- 4. A scaled site map of all well and soil boring docations
- A minimum of two ground water contour maps including depth to ground water and reference point elevation, with depth to water readings taken at least 60 days apart. If applicable, depth to water readings taken prior to purging shall be used for contouring the presence of free product must be reported, along with the thickness of the product layer.
- 6. Ground water samples shall be collected a minimum of two weeks following development of the wells.
- 7. At a minimum, the following purge information shall be provided along with the analytical results? date and time of purge, depay to water before purging, purge method estimated volume of purged water, depth to water after purging, date and time of sampling depth to water before sampling, and sampling method.
- 8. Provide in a tabular format the results of sampling. Include the sample number, location, interval and depth of sample sample format sheets are provided as guidance for summarizing data.
- 9. A site map which lists the concentrations of all significant contamination found (above ECRA action levels) at all sampling locations. The labelling of data should be keyed to facilitate of contaminant is found. The use of contaminant isopleth maps is also encouraged.

B. Data/Results Presentation

l. Because of case management workloads and volumes of data to be reviewed and processed, the above noted formatting requirements are essential to insure complete and timely review of the

- 2. Tier II deliverables should be identified and separated from the submittals, discussion, conclusions and data summary sheets. The enclosed Laboratory Deliverables checklist should be completed and returned with the Tier II deliverables.
- All submittals of text/data shall be forwarded in triplicate and shall be properly paginated, bear a table of contents and be bound (I copy may be unbound for filing purposes).
- Failure to organize submittal information as outlined above can constitute reason to return the submittal to the consultant for correction and resubmission, thus causing further delay in case
- Failure to address these conditions and provide documentation 5. where required shall constitute non-compliance with ECRA, no final approvals or case closure will occur until these issues are

The Cleanup Plan Proposal

During the course of the implementation of the sampling and the generation and evaluation of data, the consultant will be considering the development of a Cleanup Plan. To insure a complete and timely review of the submittal, the Cleanup Plan should be a stand alone, self-supporting document. As a guide to this process, the following elements should be included in the formation of the plan.

- Introduction
- 2. Table of Contents
- Summary of Environmental Concerns. previous sampling. Include the results of
- 4. The proposed remedial actions. alternative remedial actions if appropriate. Include the evaluation of any
- Cleanup levels to be achieved. Be specific with regard to media
- A Work Plan must detail the specific activities that will be used 6. to complete the proposed cleanup objectives.
- A post-remediation sampling and monitoring plan. 7.
- 8. A specific time table for implementation of the Cleanup Plan which
- Progress reports, dependant on the curation of the cleanup.
- Estimate costs for cleanup:
 - a. capital costs;
 - operation and maintenance costs;
 - monitoring system costs;

- d. laboratory costs;
- engineering, legal, and administrative costs; and
- contingency costs.
- Please be advised that, according to N.J.A.C. 7:26B-4.3, D. results shall be accompanied by:
 - a proposed Negative Declaration; or
 - a proposed Cleanup Plan; or
 - a revised Sampling Plan to further delineate the extent and degree of contamination on or from the industrial establishment.

Failure to submit the appropriate accompanying document as described above will constitute reason to return the submittal to the consultant for correction and resubmission, thus causing further delay in case

Please be advised that the results of sampling shall be accompanied by the appropriate fee as required by N.J.A.C. 7:26B-1.10. The enclosed Fee Submittal Form is provided for guidance to determine the fees required; this form should be completed and returned with the submittal package.

A Cleanup Plan shall be accompanied by a fee based on the cost of

Submission of analytical data shall be assessed a \$1,000.00 review fee.

This document was prepared by the Case Manager, Andrew Dillman. you have any questions, please contact the Case Manager at (609)

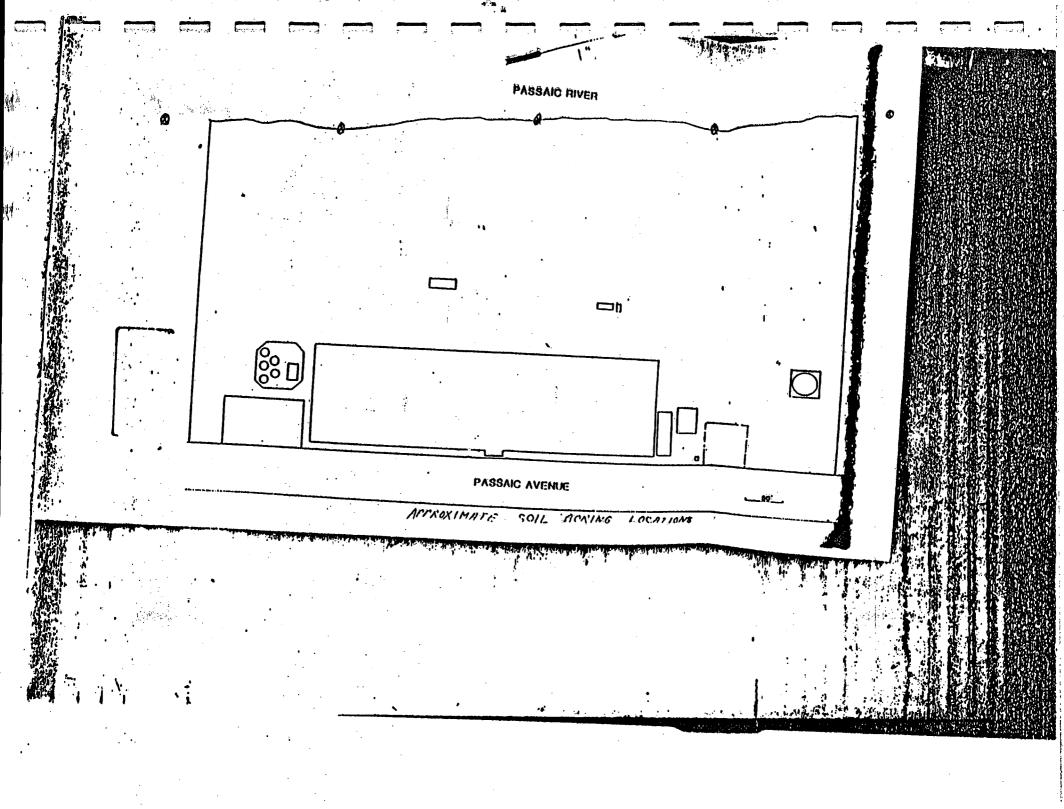
Very truly your

Kenneth T. Hart, Chief

Sureau of Environmental Evaluation and Cleanup Responsibility Assessment

AWD/sr

Jeff Fehr, NJDEP/BGWDC Bill Moody, Recon Systems, Inc. Joseph Ronzo, Franklin Plastics Edward Grovenor, Kearny Board of Health



APPENDIX II

Forms A and B, Monitoring Well Record Forms, Lithologic Well Construction Logs, Well Permits, Purge Forms and Well Abandonment Forms

Name of Permittee: FRANKLIN PLASTICS CORPORATION Name of Facility: FRANKLIN PLASTICS CORPORATION Location: 113 Passaic Ave. 07032 Kearny. NJPDES Permit No: NJ CERTIFICATION Well Permit Number (as assigned by NJDEP's Bureau of Water Allocation This number must be permanently affixed to the well casing. 26 - 2 0 6 7 5 Owner's Well Number (as shown on the application or plans): MW-2R Well Completion Date: 6/13/90 Distance from Top of Casing (cap off) to ground 2.5' ag surface (one-hundredth of a foot): Total Depth of Well to the nearest 1/2 foot: Depth to Top of Screen From Top of Casing (or depth to open hole) to the nearest 1/2 foot Screen Length (or length of open hole) in feet: 51 Screen or Slot Size: 0.020 Screen or Slot Material: PVC Casing Material (PVC, Steel or Other-Specify): PVC Casing Diameter (inches): 411 Static Water Level From Top of Casing at The Time of Installation (one-hundredth of a foot): 3.351 Yield (gallons per minute): 0.08 gpm. Development Technique (specify): Centrifugal Pump Length of Time Well is Developed/Pumped or Bailed: Hours Minutes Lithologic Log: ATTACH ON BACK **AUTHENTICATION:** I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitted false information including the possibility of fine or imprisonment. Signature Stephen E. Lanev Name (type or print) 1380 SEAL Certification or License No. Certification by Executive Officer or Duly Authorized Representative Name (type or print) Signature Title Date FORMA10,24.89

MONITORING WELL: CERTIFICATION FORM A - AS SUILT CERTIFICATION (One form must be completed for each well)

MONITORING WELL CERTIFICATION - F	
(One form must be com	pieted for each well)
Alama of Darmittan	
Name of Permittee: FRANKLIN PLASTICS CORP.	
Name of Facility: FRANKLIN PLASTICS CORP.	NJ 07032
Location: 113 Passaic Ave. Kearny,	NJ 07032
NJPDES Permit No: NJ	
OCCUTION TION	en e
CERTIFICATION	
Well Permit Number (as assigned by NJDEP's Bureau of	of the second se
Water Allocation	
This number must be permanently affixed	± v≜. Services
to the well casing.	<u> </u>
Owner's Well Number (as shown on the application	
or plans):	<u>MW-4R</u>
Well Completion Date:	6/13/90
Distance from Top of Casing (cap off) to ground	
surface (one-hundredth of a foot):	0.3' bg
Total Depth of Well to the nearest 1/2 foot:	7.5'
Depth to Top of Screen From Top of Casing	d. 0.d.
(or depth to open hole) to the nearest 1/2 foot:	2.2'
	5
Screen Length (or length of open hole) in feet:	.
Screen or Slot Size:	0.020
Screen or Slot Material:	PVC
Casing Material (PVC, Steel or Other-Specify):	PVC
Casing Diameter (inches):	4"
Static Water Level From Top of Casing at The	
Time of Installation (one-hundredth of a foot):	6.
Yield (gallons per minute):	0.5 gpm
Development Technique (specify):	Centrifugal Pump
Length of Time Well is Developed/Pumped or Bailed:	1 Hours Minutes
Lithologic Log:	ATTACH ON BACK
	ALIACH ON BACK
AUTHENTICATION:	
I certify under penalty of law that I have personally example to the second sec	mined and am families with the laterance
Submitted in this document and all attachments and the	differ and am ismiliar with the information
submitted in this document and all attachments and the	it, based on my inquiry of those individuals
immediately responsible for obtaining the information I t	Delieve the submitted information is true, accurate
and complete. I am aware that there are significant per	naities for submitted false information including the
possibility of fine or imprisonment.	
	Hal L.
Srephen E. Laney	Stephen Janey
Name (type or print) Signa	ture
Certification or License No.	
·	
•	
Certification by Executing Officer of Duly Authorized De	
Certification by Executuve Officer or Duly Authorized Re	presentative
Name (type or print) Signal	ture
- Julia	
Title Date	FORMA10.24.89

		pleted for each well)		
Name of Descriptions - PRANTI	TN DIAGMICO CORDODAMI			
• • • • • • • • • • • • • • • • • • • •	IN PLASTICS CORPORATION PLASTICS CORPORATION	the state of the s	-	•
	issaic Avenue Kearr		•	
NJPDES Permit No: NJ	TOTAL TACTION TOTAL	19, 110 07032	_	•
1457 DES 7 em 114 140. 145				
CERTIFICATION			<u></u>	
Well Permit Number (as assig	ned by NJDEP's Bureau	of .		•
Water Allocation	· · · · · · · · · · · · · · · · · · ·			
This number must be perman-	ently affixed		,	
to the well casing.		26-2072	S - 7	
Owner's Well Number (as sho	wn on the application		- 4	
or plans):		DW-3		
Well Completion Date:		6/14/90	***	
Distance from Top of Casing	(cap off) to ground	• •		
surface (one-hundredth of a	foot):	0.3' bg		
Total Depth of Well to the nea		21'		
Depth to Top of Screen From				
(or depth to open hole) to the	he nearest 1/2 foot	_15_7'		
Screen Length (or length of o	pen hole) in feet:	51		
Screen or Slot Size:	i de la companya de	0.020	•	
Screen or Slot Material:		PVC		-
Casing Material (PVC, Steel or	r Other-Specify):	PVC		
Casing Diameter (inches):		2"		
Static Water Level From Top of	of Casing at The			
Time of Installation (one-hun	dredth of a foot):	_5'	<u> </u>	
Yield (gallons per minute):		•		
	· · · · · · · · · · · · · · · · · · ·	5 gpm		
Development Technique (spec	ify):	Centrifugal Pump		
Development Technique (spec Length of Time Well is Develo	ify): ped/Pumped or Beiled:	Centrifugal Pump 1 Hours	Minutes	
Development Technique (spec Length of Time Well is Develo Lithologic Log: AUTHENTICATION:	ped/Pumped or Beiled:	Centrifugal Pump 1 Hours ATTACH ON B	ACK	
Development Technique (spec Length of Time Well is Develo Lithologic Log:	ped/Pumped or Bailed: hat I have personally example all attachments and the obtaining the information I leat there are significant personal person	Centrifugal Pump Hours ATTACH ON Beautiful and am familiar wat, based on my inquiry believe the submitted intendities for submitted false.	with the inform of those individuals to the companion is to	iduals
Development Technique (special Length of Time Well is Develo Lithologic Log: AUTHENTICATION: I certify under penalty of law to submitted in this document an immediately responsible for obtained complete. I am aware the	ped/Pumped or Bailed: hat I have personally example all attachments and the obtaining the information I leat there are significant personal person	Centrifugal Pump Hours ATTACH ON Beautiful and am familiar wat, based on my inquiry believe the submitted intendities for submitted false.	with the inform of those individuals to the companion is to	iduals
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Development Technique (specification or License No.	ped/Pumped or Bailed: hat I have personally examined all attachments and the obtaining the information I I hat there are significant perhaps. Signal	Centrifugal Pump Hours ATTACH ON Beautiful and am familiar was based on my inquiry pelieve the submitted internalties for submitted false. Stephen Faney ture	with the inform of those individuals to the companion is to	iduals
Development Technique (special Length of Time Well is Develo Lithologic Log: AUTHENTICATION: I certify under penalty of law to submitted in this document an immediately responsible for obtained complete. I am aware the possibility of fine or imprisonmant Stephen E. Laney Name (type or print)	ped/Pumped or Bailed: hat I have personally examined all attachments and the obtaining the information I I hat there are significant perhaps. Signal	Centrifugal Pump Hours ATTACH ON Beautiful and am familiar was based on my inquiry pelieve the submitted internalties for submitted false. Stephen Faney ture	with the inform of those individuals to the companion is to	iduals
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Development Technique (specification or License No.	ped/Pumped or Bailed: hat I have personally examined all attachments and the obtaining the information I I hat there are significant perhaps. Signal	Centrifugal Pump Hours ATTACH ON Beautiful and am familiar was based on my inquiry pelieve the submitted internalties for submitted false. Stephen Faney ture	with the inform of those individuals to the companion is to	iduals
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		N - FCRM A - AS-BULT CERTIFICATION completed for each well)
Name of Permittee:	FRANKLIN PLASTICS CORPOR	
Name of Facility:	FRANKLIN PLASTICS CORPOR	
Location:	113 Passaic Ave., Kearny	, N.J. 07032
NJPDES Permit No:	NJ .	
CERTIFICATION :		
	(as assigned by NJDEP's Bure	au of
Water Allocation	(
•	e permanently affixed	
to the well casing.		26 2_0 7_2_65_
	er (as shown on the application	
or plans):	(and the time of time of time of the time of the time of time	DW-4
Well Completion Dat	'e'	6/14/90
	of Casing (cap off) to ground	<u> </u>
surface (one-hundr		
	to the nearest 1/2 foot:	0.31 bg
•	een From Top of Casing	211
	hole) to the nearest 1/2 foot:	15.7
		5'
Screen or Slot Size:	ngth of open hole) in feet:	0.020
	at	PVC
Screen or Slot Mater	• 1	
	C, Steel or Other-Specify):	PVC
Casing Diameter (inc	•	<u>2" </u>
	rom Top of Casing at The	
	(one-hundredth of a foot):	<u>6'</u>
Yield (gallons per mi		0.05 gpm
Development Technic		Centrifugal Pump
Length of Time Well	is Developed/Pumped or Baile	
Length of Time Well Lithologic Log:	is Developed/Pumped or Baile	d: 1 Hours Minutes ATTACH ON BACK
Lithologic Log: <u>AUTHENTICATION:</u>	e i gradini se atronomina i se se a gradini. Timorija	ATTACH ON BACK
AUTHENTICATION: I certify under penalt submitted in this doc immediately responsi	ty of law that I have personally cument and all attachments and tible for obtaining the information aware that there are significan	examined and am familiar with the information d that, based on my inquiry of those individuals on I believe the submitted information is true, accurate penalties for submitted false information including the submitted false information incl
AUTHENTICATION: I certify under penalt submitted in this doc immediately responsiand complete. I am possibility of fine or Stephen E. Lan	ty of law that I have personally cument and all attachments and tible for obtaining the information aware that there are significant imprisonment.	examined and am familiar with the information d that, based on my inquiry of those individuals on I believe the submitted information is true, accurate penalties for submitted false information including the submitted false information incl
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AUTHENTICATION: I certify under penalt submitted in this doc immediately responsionand complete. I ampossibility of fine or incomplete in the complete of the	ty of law that I have personally cument and all attachments and tible for obtaining the information aware that there are significant imprisonment.	examined and am familiar with the information of that, based on my inquiry of those individuals on I believe the submitted information is true, accurate penalties for submitted false information including the submitted false information inc
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Lithologic Log: AUTHENTICATION: I certify under penalt submitted in this doc immediately responsion and complete. I am possibility of fine or Stephen E. Lan Name (type or print) 1380 Certification or Licen.	by of law that I have personally cument and all attachments and ible for obtaining the information aware that there are significant imprisonment. Solve See No.	examined and am familiar with the information of that, based on my inquiry of those individuals on I believe the submitted information is true, accurate penalties for submitted false information including the submitted false information inc
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Lithologic Log: AUTHENTICATION: I certify under penalt submitted in this doc immediately responsion and complete. I am possibility of fine or Stephen E. Lan Name (type or print) 1380 Certification or Licenter Certification by Execution in Execution in the Exe	by of law that I have personally cument and all attachments and ible for obtaining the information aware that there are significant imprisonment. See No.	examined and am familiar with the information of that, based on my inquiry of those individuals on I believe the submitted information is true, accurate penalties for submitted false information including the submitted false information inc
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FRANKLIN PLASTICS CORPORATION Name of Permittee: FRANKLIN PLASTICS CORPORATION Name of Facility: Kearny, N.J. 07032 113 Passaic Avenue, Location: NJPDES Permit No: NJ CERTIFICATION . Well Permit Number (as assigned by NJDEP's Bureau of Water Allocation This number must be permanently affixed to the well casing. 0727-Owner's Well Number (as shown on the application or plans): DW-5 Well Completion Date: 6/14/90 Distance from Top of Casing (cap off) to ground 0.3 surface (one-hundredth of a foot): Total Depth of Well to the nearest 1/2 foot: 211 Depth to Top of Screen From Top of Casing (or depth to open hole) to the nearest 1/2 foot 15.7 5! Screen Length (or length of open hole) in feet 0.020 Screen or Slot Size: PVC Screen or Slot Material: Casing Material (PVC, Steel or Other-Specify): PVC 2" Casing Diameter (inches): Static Water Level From Top of Casing at The 7.4 Time of Installation (one-hundredth of a foot): 5 gpm Yield (gallons per-minute): Centrifugal Pump Development Technique (specify): Length of Time Well is Developed/Pumped or Bailed: Minutes Hours Lithologic Log: ATTACH ON BACK **AUTHENTICATION:** I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitted false information including the possibility of fine or imprisonment. Name (type or print) SEAL 1380 Certification or License No. Certification by Executive Officer or Duly Authorized Representative Name (type or print) Signature Title FORMA10,24.89

MONITORING WELL CERTIFICATION - FORM A - AS-BULT CERTIFICATION (One form must be completed for each well)

GROUND WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Name of Permittee:

FRANKLIN PLASTIC'S CORPORATION

Name of Facility:.

FRANKLIN PLASTIC'S

Location:

113 PASSAIC AVE. KEARNY N.J.

NJDES Number:

A\N LN

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (as assigned by NJDEP's Water

Allocation Section, 609-984-6831): 2 6-1 0

This number must be permanently affixed to the

well casing.

Longitude (one-tenth of a second): Latitude (one-tenth of second): Elevation of Top of Casing (cap off) (one-hundredth of a foot):

Owners Well Number (As shown on the application or plans):...

West 740-09'-42.9" North

<u>AUTHENTICATION</u>

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information. I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

NICHOLAS LEBO -

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

PROFESSIONAL LAND SURVEYOR'S LICENSE #

GROUND WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Name of Permittee: FRANKLIN PLASTIC'S CORPORATION

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Name of Facility:

FRANKLIN PLASTIC'S

Location:

113 PASSAIC AVE. KEARNY N.J.

NJDES Number:

A/N LN

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (as assigned by NUDEP's Water

Allocation Section, 609-984-6831): 2 6 - 1 This number must be permanently affixed to the

well casing.

Longitude (one-tenth of a second): Latitude (one-tenth of second): Elevation of Top of Casing (cap off) (one-hundredth of a foot): Owners Well Number (As shown on the application or plans):

West	74°-09'-46.0"									
North_	40°-45'-29.2"									
										
	8.131									

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

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PROFESSIONAL LAND SURVEYOR'S SIGNATURE

NICHOLAS LEBO

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

21764

PROFESSIONAL LAND SURVEYOR'S LICENSE #

The Department reserves the right in cases of violation of permit specified ground water limits or Ground Water Quality Standards (N.J.A.C. 7:9-6.1 et seq.) to require that wells be resurveyed to an accuracy of one-hundredth of a second latitude and longitude. shall not be considered to require a major modification of the NJPDES permit.

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GROUND WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION -

Name of Permittee:

FRANKLIN PLASTIC'S CORPORATION

Name of Facility:

FRANKLIN PLASTIC'S

Location:

113 PASSAIC AVE.

NJDES Number:

KEARNY N.J: A/N LN

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (as assigned by NJDEP's Water

Allocation Section, 609-984-6831): 2 6 - 1

This number must be permanently affixed to the well casing.

Longitude (one-tenth of a second):

Latitude (one-tenth of second):

Elevation of Top of Casing (cap off)

(one-hundredth of a foot):

Owners Well Number (As shown on the

application or plans):

West_	 74°-09'-46.7"	
North	40°-45'-26.2"	:

8.68'

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility/of fine and imprisonment.

PROPESSIONAL LAND SURVEYOR'S SIGNATURE

NICHOLAS LEBO

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME (Please printmor type)

21764

PROFESSIONAL LAND SURVEYOR'S LICENSE #

61 Set1

GROUND WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Name of Permittee: FRANKLIN PLASTIC'S CORPORATION

Name of Facility:

FRANKLIN PLASTIC'S

Location:

113 PASSAIC AVE.

KEARNY: N.J.

NJDES Number:

AIN LN

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (as assigned by NJDEP's Water

Allocation Section, 609-984-6831):

2 6 - 1

This number must be permanently affixed to the well casing,

Longitude (one-tenth of a second):

Latitude (one-tenth of second): Elevation of Top of Casing (cap off)

(one-hundredth of a foot):

Owners Well Number (As shown on the application or plans):

740-091-46.7" West 40°-45'-46.7" North

7.161

AUTHENTICATION

I certify under spenalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

NICHOLAS LEBO

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME

(Please print or type)

21764 ----

PROFESSIONAL LAND SURVEYOR'S LICENSE #

GROUND WATER MONITORING WELL CERTIFICATION # FORM B - LOCATION CERTIFICATION

Name of Permittee: FRANKLIN PLASTIC'S CORPORATION

Name of Facility:

FRANKLIN PLASTIC'S

Location:

113 PASSAIC AVE.

KEARNY N.J.

NJDES Number:

A\N_LN

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (as assigned by NJDEP's Water

Allocation Section, 609-984-6831): 2 6-1

This number must be permanently affixed to the

well casing.

Longitude (one-tenth of a second):

Latitude (one-tenth of second): Elevation of Top of Casing (cap off)

(one-hundredth of a foot):

Owners Well Number (As shown on the application or plans):

749-09'-46.7" West

40°-45'-23.7" North

7.841

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

PROFÉSSIONAL LAND SURVEYOR'S SIGNATURE

NICHOLAS LEBO

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

21764(5)875 #6885 988 518 518 518

PROFESSIONAL LAND SURVEYOR'S LICENSE # ...

GROUND WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Name of Permittee:

FRANKLIN PLASTIC'S CORPORATION

Name of Facility:

FRANKLIN PLASTIC'S

Location:

113 PASSAIC AVE. KEARNY N.J.

NJDES Number:

A/N LN

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (as assigned by NJDEP's Water

Allocation Section, 609-984-6831):

This number must be permanently affixed to the

well casing.

Longitude (one-tenth of a second): Latitude (one-tenth of second): Elevation of Top of Casing (cap off) (one-hundredth of a foot):

74°-09'-43.5 West North 40°-45'-26.0"

Owners Well Number (As shown on the application or plans):

<u>AUTHENTICATION</u>

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

NICHOLAS LEBO

SEAL

PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

21764

PROFESSIONAL LAND SURVEYOR'S LICENSE #

GROUND WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Name of Permittee: FRANKLIN PLASTIC'S CORPORATION

Name of Facility: FRANKLIN PLASTIC'S Location: 113 PASSAIC AVE.

KEARNY N.J.

A/N LN NJDES Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (as assigned by NJDEP's Water 2 6 - 1 0 Allocation Section, 609-984-6831): This number must be permanently affixed to the well casing.

Longitude (one-tenth of a second): Latitude (one-tenth of second): Elevation of Top of Casing (cap off) (one-hundredth of a foot): Owners Well Number (As shown on the application or plans):

West	74°-09'-42.6	•	
North	40°-45'-29.0	**	_
			_
	10.90′	-	_

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SSIONAL LAND SURVEYOR'S SIGNATURE

NICHOLAS LEBO PROFESSIONAL LAND SURVEYOR'S NAME (Please print or type)

SEAL

21764 PROFESSIONAL LAND SURVEYOR'S LICENSE #

Location & Elevation Report Ground Water Monitoring Wells for

Recon Systems, Inc. Test Site at Franklin Plastics Passaic Avenue - Kearny, New Jersey July 24, 1990

OLD HONITORING WELLS

Job No. 870705-Computer File No. AF05SP.DC OLD MON-WELLS for FRANKLIN PLASTICS Dated: 07/23/1990 Crew NL ET AL Field Work Done: 06/07/87Field Book 107 Pages 3-7 Computed by: JVD Borough of Kearny, Passaic County, NJ Computer File: C:\SDATA\AF05B2.100

5 744,957.5154 2,139,549.9	274 41"-45"-23.69"	74'-19'-45.67"	7.84 5/1	5/A 2 COT ER-5 26-14-34-5

_						a contract of the contract of	
7	741.428.5458	2.139.543.3697	41 - 45 - 24.39"	71-191-16 35"	7 14 7/2	Y/1 Y7-1	26-11-33-7
-	,	-11				2/A AR T	20"11 33"1

13	781,196.9374	2,139,788.4319	41"-45"-25.14"	74"-19"-43.55"	12.77	3/2	3/2	47-6	26-14795-3
ttt	***********	***********	**********	***********	*****		*****	******	********

NEW HONITORING WELLS

Job No. 870705.E2-Traverse File No. AF05SP1.DC NEW MON-WELLS for FRANKLIN PLASTICS Dated: 07/23/1990 Crew MM & GA Field Work Done: 07/19/90 Field Book 109 Pages 111 Computed by: NLBorough of Kearny Passaic County, NJ SDATA\AFØ5B2.100

16 761,515.8635 2,139,594.2678 46"-45"-25.26" 76"-45.65" 18.67 5.75 7.3 MR-2R	26-21:75-7
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- 17 781,226.7626 2,139,529.5686 46"-45"-26.29" 74"-19"-46.91" 6.67 f.16 f.4 DR-3 26-21725-7
- 19 761,629.6871 2,139,536.6736 48'-45'-24.46" 74'-49'-46.81" 7.39 £.95 5/2 MM-4R 26-21755-9
- 26 781,835.9649 2,139,525.7158 48'-45'-24.47" 74'-19'-46.97" 7.44 7.8E E/E DW-4 26-21725-5
- 21 766,953.2649 2,139,541.3465 46'-45'-23.64" 74'-69'-46.78" 7.94 7.53 K/A DH-5

I Hereby Certify the accuracy of the above information is correct to the best of my knowledge and proffesional opinion.

cholas Lebo, N.J.-P.L.S. No. 21764

GROUND WATER MONITORING WELL LOCATION CERTIFICATION: FORM-B CERTIFICATION

Name of Permittee: FRANKLIN PLASTICS CORPORATION

Name of Facility: FRANKLIN PLASTICS: Location: 113 Passaic Avenue

Kearny, New Jersey
NJDES Number: <u>NJ N/A</u>

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (as Assigned by NJDEP'S Water Allocation Section, (609)984-6831): 26 - 20725 - 7

This number must be permanently affixed to the well casing.

Latitude (to one tenth of a second): 40'-45'-26.29"

Longitude (to one tenth of a second): 74'-#9'-46.91"

Elevation of Top of Casing (cap off) (one hundredth of a foot): Elev. = 6.67

Owners Well Number (as shown on the application or plans):

DW-3

AUTHENTICATION:

I certify under penalty of law that i have personally examined and am familiar with the information submitted in this document and all attachments and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

DATE: PROFESSIONAL LAND SURVEYOR'S SIGNATURE

PROFESSIONAL LAND SURVEYOR'S NAME

N.J. - P.L.S. No. 21764
PROFESSIONAL LAND SURVEYOR'S LICENSE No.

GROUND WATER MONITORING WELL LOCATION CERTIFICATION: FORM-B CERTIFICATION

Name of Permittee: FRANKLIN PLASTICS CORPORATION

Name of Facility: FRANKLIN PLASTICS Location: 113 Passaic Avenue

Kearny, New Jersey

NJDES Number: NJ Nj

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (as Assigned by NJDEP'S Water Allocation Section, (609)984-6831): 26 - 20726 - 5

This number must be permanently affixed to the well casing.

Latitude (to one tenth of a second): 40°-45'-24.47"

Longitude (to one tenth of a second): 74°-09'-46.97"

Elevation of Top of Casing (cap off) (one hundredth of a foot): Elev. = 7.44

Owners Well Number (as shown on the application or plans):

DW=4

AUTHENTICATION:

I certify under penalty of law that i have personally examined and am familiar with the information submitted in this document and all attachments and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

DATE: PROFESSIONAL LAND SURVEYOR'S STGNATURE

Nicholas Lebo

PROFESSIONAL LAND SURVEYOR'S NAME

N.J. - P.L.S. No. 21764
PROFESSIONAL LAND SURVEYOR'S LICENSE No.

GROUND WATER MONITORING WELL LOCATION CERTIFICATION: FORM-B CERTIFICATION

Name of Permittee: FRANKLIN PLASTICS CORPORATION

Name of Facility: FRANKLIN PLASTICS Location: 113 Passaic Avenue

Kearny, New Jersey

NJDES Number:

NJ N/A

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (as Assigned by NJDEP'S Water Allocation Section, (609)984-6831): 26 - 20727 - 3

This number must be permanently affixed to the well casing.

Latitude (to one tenth of a second): 40°-45'-23.64"

Longitude (to one tenth of a second): 74°-09'-46.78"

Elevation of Top of Casing (cap off) (one hundredth of a foot): Elev. = 7.94

Owners Well Number (as shown on the application or plans):

DW-5

AUTHENTICATION:

I certify under penalty of law that i have personally examined and am familiar with the information submitted in this document and all attachments and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

DATE: PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Nicholas Lebo
PROFESSIONAL LAND SURVEYOR'S NAME

N.J. - P.L.S. No. 21764
PROFESSIONAL LAND SURVEYOR'S LICENSE No.

GROUND WATER MONITORING WELL LOCATION CERTIFICATION: FORM-B CERTIFICATION

Name of Permittee: FRANKLIN PLASTICS CORPORATION

Name of Facility:

FRANKLIN PLASTICS

Location:

113 Passaic Avenue Kearny, New Jersey

NJDES Number:

NJ N/A

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (as Assigned by NJDEP's Water Allocation Section, (609)984-6831): 26 - 20675 - 7

This number must be permanently affixed to the well casing.

Latitude (to one tenth of a second): 46'-45'-29.20"

Longitude (to one tenth of a second): 74'-09'-46.05"

Elevation of Top of Casing (cap off) (one hundredth of a foot): Elev. = 10.07

Owners Well Number (as shown on the application or plans):

MW-2R

AUTHENTICATION:

I certify under penalty of law that i have personally examined and am familiar with the information submitted in this document and all attachments and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

DATE: PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Nicholas Lebo
PROFESSIONAL LAND SURVEYOR'S NAME

N.J. - P.L.S. No. 21764
PROFESSIONAL LAND SURVEYOR'S LICENSE No.

GROUND WATER MONITORING WELL LOCATION CERTIFICATION: FORM-B CERTIFICATION

Name of Permittee: FRANKLIN PLASTICS CORPORATION

Name of Facility: FRANKLIN PLASTICS

Location:

113 Passaic Avenue Kearny, New Jersey

NJDËS Number:

NJ N/A

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (as Assigned by NJDEP'S Water Allocation Section, (609)984-6831): 26 - 20755 - 9

This number must be permanently affixed to the well casing.

Latitude (to one tenth of a second): 40°-45'-24.40"

Longitude (to one tenth of a second): 74'-09'-46.81"

Elevation of Top of Casing (cap off) (one hundredth of a foot): Elev. = 7.39

Owners Well Number (as shown on the application or plans):

MW-4R

AUTHENTICATION:

I certify under penalty of law that i have personally examined and am familiar with the information submitted in this document and all attachments and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

DATE: PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Nicholas Lebo PROFESSIONAL LAND SURVEYOR'S NAME

N.J. - P.L.S. No. 21764 PROFESSIONAL LAND SURVEYOR'S LICENSE No.

PERMIT NO. 2610790-2

SHEET 1 OF 1

JOB NO. CLIENT PROJECT LOCATION 1126 FRANKLIN PLASTICS CORP. KEARNEY, NJ LOCATION OF WELL ELEVATION AND DATUM ADJACENT TO MAIN GATE ENTRANCE, FLUSH MOUNT APPROX. 5' M.S.L. DRILLING CONTRACTOR DRILLER INSPECTOR RECON SYSTEMS, INC. SEL, DRG SEL, WAM DRILLING RIG TYPE BIT TYPE | DATE STARTED | DATE COMPLETED SIMCO 2800 HOLLOW STEM AUGER | 6.25 ID, HS | 5-29-87 | 5-29-87 SAMPLER TYPE | HAMMER | DROP | TOTAL DEPTH | WATER LEVEL WEIGHT 2''x 24'' SPLIT SPOON | 1401b | 30'' 8.01 5.3 BG |LITH|DEPTH|W| TYPE FT. A T LITHOLOGY WELL NO. | BLOWS | E CONSTRUCTION | |ASPHALT, 0-6", black| FLUSH MOUNT | |fill, 6"-24", ash | |and cinders. 8" dia. manhole 9 1 Locking cap w/ brass ring .4'bg. CEMENT/BENTO.0-1.0' FILL, 10", ash and cinders, grey-black, moist. BENTONITE SEAL 1-2' pellets RISER PIPE, 4" dia. TEFLON, 20 slot 0.5-3.01 |FILL, 13", alt. blk--:1 |brown fill and SAND PACK, #2, | | yellow sand, visible 2.0-8.5 TAR, 5", hard.

SAND & ASH, 2",blkbrwn, sat. w/ PHC.

PEAT, 10", sil+

with re-☑ pet.h.c. and odor. MXXXXXX -PEAT, 10", silt clay MASTERLOCK KEY 2010 mat preserved. 10 11

RECON SYSTEMS, INC. THREE BRIDGES, NJ

RECON SYSTEMS, INC. THREE BRIDGES, NJ

PERMIT NO. 2610791-1 SHEET 1 OF 1

JOB NO. CLIENT PROJECT LOCATION FRANKLIN PLASTICS CORP. 1126 KEARNEY, NJ LOCATION OF WELL ELEVATION AND DATUM 115'W OF GAS TANK EXCAVATION, 140'NW OF BLDG. APPROX. 5' M.S.L. DRILLING CONTRACTOR DRILLER INSPECTOR RECON SYSTEMS, INC. SEL, DRG SEL, WAM DRILLING RIG TYPE BIT TYPE DATE STARTED | DATE COMPLETED | SIMCO 2800 HOLLOW STEM AUGER | 6.25 ID, HS | 5-28-87 | 5-28-87 SAMPLER TYPE | HAMMER | DROP | TOTAL DEPTH | WATER LEVEL WEIGHT 2''x 24'' SPLIT SPOON | 1401b | 30'' 7.5 4.2'BG |LITH|DEPTH|W| TYPE FT. A LITHOLOGY WELL NO. | BLOWS | |E| CONSTRUCTION RI METAL STICKUP 2.3 roots, dry, sandy,
paint chips.
CLAY, 8", hard, dry,
red brn, paint chips TEFLON SU 2.0 CEMENT CURB 0.5 YCEMENT/BENTO GROUT 0-1.0' 11 10] -SAME CLAY, 4" CLAY, 5", silty,g.bk BENTONITE SEAL: PELLETS, 1-24 TEFLON RISER PIPE 4 _ | fine sandy, v.moist. 4" dia. 11 10 × +2.0-2.5 [CLAY, 2", sandy, red.] | SAND, 3", yellow. | SILT, 2",wet, grey. SAND PACK, #2 2.0-7.5 |COAL/CINDERS, 11", wet| FILL, 4", wet, same. TEFLON SCREEN, 4"d. CLAY, 14", dk.grey, 20 slot, wet, organic at top, 2.5-7.5' | |no peat, tight. TEFLON SLIPON CAP |Water level in adja-|cent gas tank exca- | |vation is 4.2'below | grade. 10 11 12

PERMIT NO. 2610792-9 SHEET 1 OF 1

SIMCO 2800 HOLLOW STEM AUGER 6.25 ID, HS 5-29-87 5-29-88 5	
TOCATION OF WELL ELEVATION AND DATUM 17.5' W OF DUST COLLECTOR, W SIDE OF BLDG. APPROX. 5' M DRILLING CONTRACTOR DRILLER INSPECTOR RECON SYSTEMS, INC. SEL, DRG SEI DRILLING RIG TYPE BIT TYPE DATE STARTED DATE CON SIMCO 2800 HOLLOW STEM AUGER 6.25 ID, HS 5-29-87 5-29-87 SAMPLER TYPE HAMMER DROP TOTAL DEPTH WATER I WEIGHT WEIGHT SAMPLE LITH DEPTH W	
DRILLING CONTRACTOR DRILLER INSPECTOR RECON SYSTEMS, INC. SEL, DRG SEI DRILLING RIG TYPE BIT TYPE DATE STARTED DATE CON SIMCO 2800 HOLLOW STEM AUGER 6.25 ID, HS 5-29-87 5-29-88 SAMPLER TYPE HAMMER DROP TOTAL DEPTH WATER I WEIGHT 2'' x 24'' SPLIT SPOON 1401b 30'' 6.5' 3.3' SAMPLE LITH DEPTH W TYPE FT. A	.s.L.
RECON SYSTEMS, INC. SEL, DRG SEI DRILLING RIG TYPE BIT TYPE DATE STARTED DATE CON SIMCO 2800 HOLLOW STEM AUGER 6.25 ID, HS 5-29-87 5-29-8 SAMPLER TYPE HAMMER DROP TOTAL DEPTH WATER I 2''X 24'' SPLIT SPOON 1401b 30'' 6.5' 3.3' SAMPLE LITH DEPTH W TYPE FT. A	1-2-1-
RECON SYSTEMS, INC. SEL, DRG SEI DRILLING RIG TYPE BIT TYPE DATE STARTED DATE CON SIMCO 2800 HOLLOW STEM AUGER 6.25 ID, HS 5-29-87 5-29-8 SAMPLER TYPE HAMMER DROP TOTAL DEPTH WATER I WEIGHT	
SIMCO 2800 HOLLOW STEM AUGER 6.25 ID, HS 5-29-87 5-29-88 5	, WAM
SAMPLER TYPE	
HAMMER DROP TOTAL DEPTH WATER I	7
2''X 24'' SPLIT SPOON 1401b 30'' 6.5' 3.3'	EVEL
TYPE FT. A	_ 1
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brown, moist. TEFLON SU 2.2' CLAY FILL, 8", rd-bn CEMENT CURB 0.5'	i
TO 7 COAL/CINDERS, 4", CEMENT CURB 0.5'	1
	UT
CLAY, 2", lt.grey, (== [
Wet. coaly	
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COAL FINES, 7", wet. TEFLON RISER PIP	Ε,
4 21 1 SAND 44 5: 4" dla.	1
-5 1 COAL ASH, 5", coarse, SAND PACK, #2	
Igranular, wet.	
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-3 2 WHILE AUGERING.	1
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RECON SYSTEMS, INC. THREE BRIDGES, NJ

	1 700 110			<u></u>		
	JOB NO.		T	PRO	JECT LOCATI	
	LOCATION O	F WELT	KLIN PLASTICS COP			KEARNEY, NJ
	1 37!NE O	F WELL. F SW FEMOR	701 5 05 157 4 7	ELE	VATION AND	DATUM
-	DRILLING C	ONTRACTOR	70' S OF MW-4, IN	ROAD	APPRO	X. 5' M.S.L.
) 		MS, INC. SEL,	DEC I	PECTOR	
-	DRILLING R	IG TYPE	IRTO OVE	E IDAM	E CONDORDIO	SEL, WAM
	SIMCO 28	00 HOLLOW ST	EM AUGER 6.25 I	D. HS	E SIARIEU U K-1-07	ATE COMPLETED
^ .	SAMPLER TY	PE	HAMMERI	DROP TOT	AI. DEPTH. I	WATER LEVEL
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- [[12 5]	i mi	COAL/CINDERS, 6",	blk, 🔃 [CEMENT/BE	NTO. GROUT
.		*M -	moist.	F: 	0.0-	1.5'
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- 1	2 1 2	4.00	COAL/CINDERS, 10		4" d 0.3-	
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RECON SYSTEMS, INC. THREE BRIDGES, NJ

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PERMIT NO.

2610796-1 SHEET 1 OF 1

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RECON SYSTEMS, INC. THREE BRIDGES, NJ

PERMIT NO.

26-20675-7 SHEET 1 OF

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	DRI	LLING	CONTR	ACTOR			DRILLE	R	INSP	ECTOR .		
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		1				CLAY, 8''				CEMENT G		;
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PERMIT NO.

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RECON SYSTEMS, INC. THREE BRIDGES, NJ

PERMIT NO. 26-20725-7 SHEET 1 OF

JOB NO. CLIENT I PROJECT LOCATION 1575 FRANKLIN PLASTICS CORP. KEARNY, NO LOCATION OF WELL IELEVATION AND DATUM ADJACENT TO MONITORING WELL MW-3 APPROX. 5' ABOVE M.S.I. DRILLING CONTRACTOR DRILLER INSPECTOR RECON SYSTEMS : DRILLING RIG TYPE BIT TYPE | DATE STARTED DATE COMPLETE MOBIL B-53 WET ROTARY 10''& 6'' | 6-13-90 | 6-14-90 SAMPLER TYPE | HAMMER | DROP | TOTAL DEPTH | WATER LEVEL |WEIGHT| | SAMPLE |LITH|DEPTH|W| : 1 WELL INO. | BLOWS | 1EI CONSTRUCTION | FLUSH MOUNT MANHOLE | 12 '' ID | MASTER LOCK #2010 | 2'' EXPANSION CAP | 10'' OUTER CASING | SCHEDULE 40 STEEL | 0.3-10' IRI | FILL 0-3' | clay, cobbles, 2 _ grey-brown color, | | | moist. | | COAL ASE 3-6.5' | | grey-brown to black| | | wet, some clay. [CEMENT: 0.3-10' CLAY 6.5-8'

| CLAY 6.5-8' | 2' INNER CASING | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | SCHEDULE 40 PVC | S | CEMENT 0-2 | |brick chips in upper| COUPLING _12 _| [2'',red brown grey |_ _|2'' SCREEN: |color in lower 6'1, | SCHEDULE 40 PVC | |ss pebbles, grey 1 0.020 SLOT _______|___| | mottling. 16-21' | |CLAY, 16'' grey to 12'' BOTTOM PLUG: | |black organic clay, THREADED PVC 三川_16 | |leaves,rootlets, |moist. CLAY 8-13' 18 | same as above. CLAY 13-17' | wet, brown sandy, | | ss cobbles, very | coarse sands at 17'| | | green clay mottling| _22 _| |SAND 17-21/ | | silty mud at 18', | coarse grained sand| | ss cobbles, wet

PERMIT NO. -

26-20726-5

SHEET 1 OF PROJECT LOCATION JOB NO. CLIENT KEARNY, NJ FRANKLIN PLASTICS CORP. 1575 IELEVATION AND DATUM ICCATION OF WELL APPROX. 5' ABOVE M.S.L. ADJACENT TO MONITORING WELL MW-4R DRILLING CONTRACTOR IDRILLER INSPECTOR RECON SYSTEMS SEL DATE STARTED DATE COMPLETED BIT TYPE DRILLING RIG TYPE 10''& 6'' 6-13-90 6-14-90 MOBIL E-53 WET ROTARY | HAMMER | DROP | TOTAL DEPTH IWATER LEVEL SAMPLER TYPE WEIGHT SAMPLE |LITH|DEPTH|W| TYPE | FT. |A| | FLUSH MOUNT MANHOLE | 12 ' ID | MASTER LOCK #2010 | bricks, large shale | 2' EXPANSION CAP | fragments with br. | 10' OUTER CASING | clay, moist to wet | SCHEDULE 40 STEEL | black ash -soft to | 0.3-10' | CEMENT | CLAY 6.5-11' | light -ΪΤΙ LITHOLOGY WELL INO. | BLOWS TRAPROCK 0.2-0.5 hard, sl. moist.

| CLAY 6.5-11' | 24.5 INNER CASING | light to dark grey, | SCHEDULE 40 PVC | Schedule 40 PVC | CEMENT 0-2' | CEMENT 0-2' | BENTONITE: 2-14' | Slightly micaceous. | SAND =2: 14-21' | FLUSH TEREADED 1 10 1 | COUPLING CLAY TI-21' | red to brown sandy, | 12'' SCREEN: green nottling, | SCHEDULE 40 PVC | 50% sandstone cobb. | | 0.020 SLOT : |20 20| 1 16-21' 115 201 12' BOTTOM PLUG: THREADED PVC 9 11 16 | wet silty clay 18 20 22

RECON SYSTEMS, INC. THREE BRIDGES, NJ

26-20727-3

			<u> </u>							SHEET 1 OF	1
	JOB	NO.		Crī			P	ROJ	ECT LOCAT	ION	ī
	1700	157			AN	KLIN PLASTICS CORP.	_Ļ_			KEARNY, 1	ŊJ
	ITOC	OITA:			T.	MONITORING WELL MW-			CAR MOITA		_ !
. •	IDRT	LLING				DRILLER			ECTOR	ABOVE M.S.	<u> </u>
			JU11.110		ON	SYSTEMS SEL		KSF.	BCTOK .	C1	EL
-	DRI	LLING :	RIG T		<u> </u>	BIT TYPE		ATE	STARTEC	DATE COMPLET	
_	<u>i</u>		MOBIL	B-53	WE:	ROTARY 10''& 6''			13-90	6-14-90	1
	SAM	PLER T	YPE	•		HAMMER DROP	1 T	OTA	L DEPTH	WATER LEVE	L 1
	ļ		• .			WEIGHT	1		•	1	1
-	l CA	MPLE	i T TMT	1 DEDMIT	1 7:7		<u>, L</u>		21'	7.41	
]. DA. 1	MPLE		DEPTH			1				!
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•	NO.	BLOWS	i		Ē	HIIOBOG1	1		•	STRUCTION	
_	Ĺ	<u>i_</u>	<u> </u>	Ì	R		1				1
	1	1 - ";			1	ASPHALT 0-0.5'		9,	FLUSH HO	UNT MANHOLE	$\overline{}$
			 		•	FILL 0.5-7'	1 】		12 '' ID		ì
	ļ] == :	<u> </u>		brown clay	1_4	乱		OCK #2010	
	[l r _			! [NSION CAP	1
	1 1	1	- -	l I _	1	moist between 3-4'			•	ER CASING	ļ
	i	1 2 3	 	- ⁻ -	l :	wet at 5'	-	🛭 –	SCHEDEL 0.3-10'	E 40 STEEL	į
				-						0.3-10	}
	Ĩ " `	1_2 <u>2</u>	المبارز أ	6	Ì		i			, t, 10	
• • :		2 <u>1</u>	1	[CLAY 7-11'	i^{-1}	13-	2' INNE	R CASING	,
•			[<u> </u>	-		light to dark grey,			SCHEDUL	E 40 PVC	···i
•		2 2		8 _	Ĺ.,	tight, organics,	1_	N_	0.3-16		1
	! !	1 2 2				slightly moist.			CEMENT		1
	l I	2 2	- 6-	10					•	TE: 2-14'	į
	!		0-5		l ·	···	-6	13_	•	: 14-21'	ļ
	İ			-		CLAY,14'',dk.grey,			FLUSH TH COUPLING		1
		ìi	গুৰু কুঞ্	12	i	sticky, wet, v. tight	1		2'' SCEE		1
I		[· [::::::\i		i	ss cobble,5'', jam,	i – I	-		E 40 PVC	i
				·		red brown, wet			0.020 5		i
		_3 -	===	_14 _		•••••••	1_	_	16-21'		i
		1				SAND,2'', silty, roots				OM PLUG:	1
		;		- 16		CLAY,8'', same, grey,	!		THREADE	D PVC	1
i		;¦				wet, rootlets in top 3'', sharp contact	!	닐 _	l i	•	!
i			i	 		with:					ļ
i		i_ i	_=	18	1	SAND, 14'', red brown,		=		•	1
1		i -	i			coarse, rotten ss,	-	= -			1
1	i	ĺ	- <u>-</u> i	-	l i	coarse grained,	ì	=	,		1
ļ		!		_20 _	1	clasts to 2'', R=50%					i
- 1		l e	!			• • • • • • • • • • • • • • • • • • • •	1				j
Į,		!		- [ļ	SAND, coarse, subround	1	3	!		ì
l I		!	ļ	_22 _		grains to 1/8-1/4'',	_	_			ĺ
1	1		ļ	_	1	pea gravel, ss clasts	ļ				1
i	1		- I 1	24	l I	wet, clean, jam, polymineralized	i 1		- 1m		1
	ا بنتنب ا	,!			1	MATA WITHE TOTING	l				1

DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES TRENTON, N.J.

Permit No

Water Allocation CN 029 Trenton, N.J. 08625

PERMIT TO DRILL WELL

		 *.	
	• •	 	

VALID ONLY AFTER A	PPROVAL BY THE D.E.P. COORD = 12 1 1
Owner PRANKLIN PLANTICS CORP.	Driller RECOR SYSTEMS, TRC.
Address 113 Passair Ave.	Address Route 202 Renth P.O. Boy 450
Sparny, 33 07460	Three Bridges, hC 08827
Name of Facility SAME AS ABOVE	Diameter 2 Proposed 7/3
Address	of Well(s) Inches Certs of Well(s) Feet # of Wells umping equipment
	Applied for (max. 10) censtalled? YES NO Type of Well If yes, give pump capacity GPM
LOCATION	OF WELL(S)
Lot # Block# Municipality County County State Atlas Map No.	Draw sketch of well(s) to nearest roads, buildings, etc. with marked distances in feet. Each well MUST be labeled with a name and/or number on the sketch.
PASSAIC RNER FITE HARRISON ANE HARRISON ANE 17520 DA 200 LHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH	PERMIT # 26-20725-7 26-20726- 5 26-20726- 5 26-20726- 5 N1
Issuance of this cermit is subject to the conditions attached, (see next page) For monitoring purposes only Only pure bentonite drilling muds are to be used for installation FOR MONITORING WELLS, RECOVERY WELLS, OR PEZOMETERS, THE FOLLOW Spill Fund Case ECRA Case CERCLA (Superfund) Site RCRA Site Underground Storage Tank	ING MUST BE COMPLETED This Space for Approval Stamp Fill Point Afficient Afficient Afficient JUN 7 1990 Case I.D. Number:
NJPDES Municipal Discharge Permit NJPDES Industrial Discharge Permit Div. Hazardous Waste Mgmt. Enforce—ent Case Div. Water Resources Enforcement Case Aquifer Test Observation Well Other (explain)	86024
SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill	

COPIES:

Water Allocation - White and Pink

Health Dept.-Yellow

Owner - Blue

Driller - White

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES TRENTON, N.J.

Tyles - tare (# 1780)

Mail to

Water Allocation

Trenton, N.J. 08625	PPROVAL BY THE D.E.P. COORD #:
Prangish Plastics Corporation	ANCON SYSTEMS, TO
Owner 113 Passaic Ave.	Driller Kaute 202 parch, 12-0, Act at
Address	Address
Sana ac aberra	
Name of Facility State as above	Diameter / coposed coposed of Well(s) Inches Capth of Well(s) Feet
Address	# of Wells will pumping equipment
	Applied for (max. 10)
1.00471041	(see reverse) # 2120000111 Capacity GPM
Lot # 12 Block # Municipality County Sudson	OF WELL(S) **OF 1297116. Draw sketch of well(s) to nearest roads, buildings, etc. with marked distances in feet. Each well MUST be labeled with a name and/or number on the sketch.
State Atlas Map No. 20 PASSAK RIVER HARRISCH AVE 10 200 11 200 11 11 11 11 11	26:20:675-7 26-20-675-7 26-20-675-7 26-20-675-7 COOAD H 26:12:918
NJPDES Industrial Discharge Permit Div. Hazardous Waste Mgmt. Enforcement Case Div. Water Resources Enforcement Case	Case I.D. Number:
Other (explain)	

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT.

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Route 202 North, P.O. Box 460 Three Bridges, N.J. 08887 201-782-5900

New England 617-752-4217

Pennsylvania 215-433-5511

PROJECT

MONITORING WELL PURGE	SAMPLING FIELD FORM
CLIENT: Franklin Plantics	PROJECT NO: 1575
LOCATION: KC CLIM	Mosecul Mo.
MONITORING WELL NO. WW-I SAMPLE NO.	
	
TOTAL DEPTH OF LELL 7.5 (TD) HEIGH	IT OF PVC RISER ABOVE GRADE
ARLA DAMPERO SCA H //	OF BRASS RING BELOW GRADE
CONSTRUCTION PATERIAL TEHINA	
STATIC WATER LEVEL BEFORE PURGE (*) 4, 3 3 * (SUL)	TIME:
STATIC WATER LEVEL BEFORE SUPLING (*) 5.00 FG	TINE:
GALLONS OF STANDING WATER (SEE BELOW) 2 mlfma (V)	
TOTAL PLACE BEFORE SAMPLING (SEE BELOW) (WILLIAM (TV)	
TO - SIL = H H(FT) X C(GAL/FT) = V(GAL)	* E=-JW GRADE
3 X V = TV // 3	NOTE: CASING IS 0.41 FT. BELOW GFADE
4.33	•
3.17	
<u>- 28.4.</u>	
1585	
1.0 4 0 5	
Lgall	
TURBIDITY: COLOR:	
TENDERATION	pit:
RECHARGE CHARACTERISTICS: 1 / (7 PM	
CONNENTS:	 · · . · ·
for the second second	. 11
tree product Ctuel	0111

α		ucies!	Łĸ	檀	OF	UATER	COLUMN THE	6 44	
•	_	~~~~					-	410	MELL

TEFLON BAILER (2")
24" = .18 GAL = 6 BAILS/GAL
36" = .27 GAL = 4 BAILS/GAL

ENGINEERING, CONSULTING, LABORATORY. PILOT PLANT, PLANT TEST SERVICES

DIAHETER EQUIVALENTS 2# 4# 1' = 0.16 GAL. 1' = 0.65 GAL. 1" = 1.47 GAL. 1' = 2.61 GAL.

CONVERSIONS (C) (GAL/FT)

WELL

(F-12)(12.15.8E;

POLLUTION CONTROL WASTE DISPOSAL RESOURCE RECOVERY, CHEMICAL PROCESS SYSTEMS

[#] CONVERSION EXITYALENT (GAL/FT)
WATER VOLUME IN ONE PURGE

⁻ MEAREST TERTH OF FOOT. POINT OF REFERENCE.

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Route 202 North, P.O. Box 460 Three Bridges, N.J. 08887 201-782-5900

New England 617-752-4217

Pennsylvania 215-433-5511

PROJECT MAKASER:

1' = 1.47 GL. 1' = 2.61 GL.

CLIENT: Franklin Plant	(CS	NG FIELD FORM	,	
LOCATION: KOARNY		PR(DIECT NO: 12	<u></u>
MONITORING WELL NO. MW -Z	R SAMPLE NO.	1.		
	SOURCE NO.			
TOTAL DEPTH OF SELL	0			
VELL DIMETER		C RISER ABOVE G		
CONSTRUCTION MATERIAL PVC	- DEPTH OF BRA	22 KING BELOV G	ADE	<u> </u>
STATIC UNTER LEVEL BEFORE PURCE (?)	•			
STATIC WATER LEVEL BEFORE SAMPLING (*)	(ær)	TIKE:	<u> </u>	
	17	TIKE:		_
CALLONS OF STANDING WATER (SEE BELOW) 2/	7 1			- •
TOTAL PURCE BEFORE SAMPLING (SEE BELOW)	Leg (TV)		•	
$3 \times A = 1A$ $8(L1) \times C(CUT \setminus L1) = A(CUT)$ $10 - 2\pi = 8$	Ó			
065	•			
1900				
2280				
24,700 x3	•			
TURBIDITY: *				
TEMPERATURE-	lox: Gray	pK:	-	
	OUCTIVITY:	•		
Ministre				
Recharge:	3371.75mm=			
•				
# = HEIGHT IN FEET OF WATER COLLING IN WELL C = CONVERSION EQUIVALENT (GAL/FT) Y = WATER YOULSE IN ONE PURCE * = NEAREST TENTH OF FOOT. POINT OF REFERENCE			CONVERSIONS (
TEFLON ELLIFE (25)			DIAHETER FOUTY	1' = 0.16 GAL.
CA" = . To CAL = 6 RATICION ENUI	MEERING. CONSULTING. LA ILOT PLANT, PLANT TEST S	BORATORY. ERVICES	દલ 6લ 8લ	1' = 0.65 GL. 1' = 1.47 GL.

(F-12)(12.15.88)

POLLUTION CONTROL WASTE DISPOSAL RESOURCE RECOVERY, CHEMICAL PROCESS SYSTEMS

Route 207 North, P.O. Box 460 Three Bridges, N.J. 08887 201-782-5900

New England 617-752-4217 Pennsylvania 215-433-5511

PROJECT MAKASER:	WAM	•
• _	4 101	

SAMPLER:	AHU	1	M	D	U
-		ŧ		_	_

WALLOUIS TO THE TOTAL OF THE TANK OF THE T	DATE: 7-2-90
CLIENT: Franklin Plantics	PROJECT NO: 1575
LOCATION: Kearny	PROJECT NO: 1373
MONITORING WELL NO. WW -3 SAMPLE NO.	
TOTAL DEPTH OF LELL 8, 7.5 (TD) MEIGHT OF	PVC RISER ABOVE GRADE
UELL DIAMETED LA	BRASS RING BELOW GRADE
CONSTRUCTION NATERIAL ALL Teflen	
STATIC WATER LEVEL BEFORE PURGE (") 1, 3 (SUL)	TIUP
STATIC WATER LEVEL BEFORE SAPPLING (*)	TIRE:
GALLONS OF STANDING WATER (SEE BELOW) 2 8 9 (V)	TIKE:
TOTAL PURCE BEFORE SAMPLING (SEE BELOU) 8 7 (TV)	
TO SUL = H H(FT) X E(GAL/FT) = V(GAL) 3 X V = TV -65	
$\frac{2225}{28925} = 8.7$	
7,8925	
TURBIDITY: CLEAT	pff:
TEMPERATURE: CONDUCTIVITY:	
MUNAL ALL	3 GPM
= HEIGHT IN FEET OF WATER COLUMN IN WELL	•
= CONVERSION ENTIVALENT (GAL/FT)	CONVERSIONS (C) (GAL/FT)

TEFLON BAILER (2")

24" = .18 GAL = 6 BAILS/GAL

36" = .27 GAL = 4 BAILS/GAL

V = WATER VOLUE IN ONE PURGE

= MEAREST TEXTS OF FOOT. POINT OF REFERENCE.

ENGINEERING, CONSULTING, LABORATORY. PILOT PLANT, PLANT TEST SERVICES.

1' = 0.65 GAL. 1" = 1.47 GAL.

1' = 0.16 GAL.

<u>ű</u>=

DIAMETER SOULVALENTS

WELL

1" = 2.61 GAL.

(F-12)(12.15,85)

POLLUTION CONTROL WASTE DISPOSAL RESOURCE RECOVERY, CHEMICAL PROCESS SYSTEMS

Route 202 North, P.O. Box 460 Three Bridges, N.J. 08\$\$7 201-782-5900

New England 617-752-4217

Pennsylvania 215-433-5511

PROJECT

•			- 3
DATE:	7-	~_~	90

MONITORING	WELL PURGE/SAMPLING	FIELD FO	XH

CLIENT: Franklin Plastics.	PROJECT NO: 1575
LOCATION: KOKENY	
MONITORING WELL NO. MW-4R SAMPLE NO.	
ASSE DEALERTO	RISER ABOVE GRADE
STATIC WATER LEVEL BEFORE PURGE (1) *3,35 (SUL)	TIRE:
STATIC WATER LEVEL BEFORE SAMPLING (*)	TIME:
CALLONS OF STANDING WATER (SEE BELOW) 204 (V)	
TOTAL PURCE BEFORE SAMPLING (SEE BELOW) 7/2 (TV)	•
TD - SIR = H H(FT) X C(GAL/FT) = V(GAL) 3 X V = TV . 5 5	* BELOW GRADE NOTE: CASING IS 0.41 FT. BELOW GRADE
2190 24025 7.2 gal	
TURBIDITY: Very COLOR: MIKY White TEMPERATURE: COMMUNITY: RECHARGE CHARACTERISTICS: EMMANAMAN 3 GPM COMMENTS: 01 Sheen	PH:

H = HEIGHT IN FEET OF WATER COLUMN IN WELL

C = CONVERSION EDIVALENT (GAL/FT)

V = WATER VOLUE IN ONE PURGE

. HEAREST TESTE OF FOOT. POINT OF REFERENCE.

TEFLOW BAILER (2")

24" = .18 GAL = 6 BAILS/GAL

36" = .27 GAL = 6 BAILS/GAL

ENGINEERING, CONSULTING, LABORATORY. PILOT PLANT, PLANT TEST SERVICES

WELL DIAHETER SOULVALENTS 1' = 0.16 GAL. 44 1' = 0.65 GAL.

CONVERSIONS (C) (GAL/FT)

64 1' = 1.47 GAL. 1' = 2.61 GAL.

(F-12)(12.15.&:

POLLUTION CONTROL WASTE DISPOSAL RESOURCE RECOVERY, CHEMICAL PROCESS SYSTEMS

Route 202 North, P.O. Box 460 Three Bridges, N.J. 08887 ... 201-782-5900

New England 617-752-4217

Pennsylvania 215-433-5511

A1	• •	7-	. ج۔	-GA
DATET			<u>ب ، </u>	10

CLIENT: Franklin Plantics	PROJECT NO: 15	75
MONITORING WELL NO. WW -5 SAMPLE NO.		
	OF PVC RISER ABOVE GRADE	
CONSTRUCTION HUTERIAL Tetton	OF BRASS RING BELOW GRADE	
STATIC WATER LEVEL BEFORE PURGE (*) * 3 8 5 (SUL)	TIME:	
STATIC WATER LEVEL BEFORE SAMPLING (*)	TIKE:	
CALLONS OF STANDING WATER (SEE BELOW) (V)		
TOTAL PLACE BEFORE SAMPLING (SEE BELOW) 2,04 (TV)	* BELOW SRADE	
TD - SUL = H 8(FT) X C(GAL/FT) = V(GAL) 3 X V = TV	NOTE: CASING IS 0.5	
1,05 525 630 64825		
TURSIDITY: COLOR: Clear COHOUCTIVITY:	pil:	
RECHARGE CHARACTERISTICS: COMMENTS:	<u>P</u> M	
O.Z X 3		
		•

H = HEIGHT IN FEET OF WATER COLUMN IN WELL C = CONVERSION ENTVALENT (GAL/FT)

V = WATER VOLUME IN ONE PURGE

" = MEAREST TERTE OF FOOT. POINT OF REFERENCE.

TEFLOR BAILER (2")

(F-12)(12.15.起:

24" = .18 GAL = 6 BAILS/GAL

36" = .27 GAL = 4 BAILS/GAL

ENGINEERING, CONSULTING, LABORATORY,

PILOT PLANT, PLANT TEST SERVICES

POLLUTION CONTROL WASTE DISPOSAL

CONVERSIONS (C) (GAL/FT)

WELL **DIAKETER SQUIVALENTS**

2* 4* 1' = 0.16 GAL.

1' = 0.65 GAL. 1' = 1.47 GAL.

1' = 2.61 GAL.

RESOURCE RECOVERY, CHEMICAL PROCESS SYSTEMS

Route 202 North, P.O. Box 460

Three Bridges, N.J. 08887 201-782-5900

New England 617-752-4217 Pennsylvania 215-433-5511

MAKAGER: 1

CONVERSIONS (C) (GAL/FT)

1' = 0.16 GAL.

1' = 0.65 GL.

1' = 1.47 GL. 1' = 2.61 GL.

· · · · · · · · · · · · · · · · · · ·	G MELL PURGE	SAMPLING FIELD FORM	•		
CLIENT: Franklin Plastics	• •	PROJE	· 1	575	
LOCATION: KERTNY		KOJE	.1 RO:		•
MO:ITORING WELL NO MW-W SI	AMPLE NO		***	 	
	-				
TOTAL DEPTH OF WELL 11-9 (TD)	KEIGH	OF PVC RISER ABOVE GRADE			
VELL DIAVETER 4	2	OF BRASS RING BELOW GRADE			
CONSTRUCTION MATERIAL SCHOOL OF PUE	reflor		•		
STATIC WATER LEVEL BEFORE PURCE (*) 9'	(SÆ)	TIKE:	•		
STATIC UNTER LEVEL BEFORE SAMPLING (*)		TIKE:		•	
CALLONS OF STANDING WATER (SEE BELOW)	(v)			•	
TOTAL PURCE BEFORE SAMPLING (SEE BELOW)	CIV)			•	
TD - SIZ = E E(FT) X C(GAL/FT) = V(GAL) 3 X V = TV	-				
11.9 - 9 = 2.91 .66 174 55 1.98 50 1.98 50 1.98 50 THRSIDITY:	lear	PH:			
CO-CENTS:		-			•
•					

ĸ	=	REIGH	IK	FEET	OF.	UATED	CÓLIGN	245	
•	_						COCCA!	7.66	WELL

TEFLON BAILER (2")
ZE" = .18 GAL = 6 BAILS/GAL 36" = .27 GLL = 4 BAILS/GAL

ENGINEERING, CONSULTING, LABORATORY, PILOT PLANT, PLANT TEST SERVICES

POLLUTION CONTROL WASTE DISPOSAL RESOURCE RECOVERY, CHEMICAL PROCESS SYSTEMS

(F-12)(12.15.83)

MYERSION EQUIVALENT (GAL/FT)

⁼ WATER VOLUE IN ONE PURCE

[#] HEAREST TENTE OF FOOT. POINT OF REFERENCE.

Route 202 North, P.O. Box 460 Three Bridges, N.J. 08887 201-782-5900

New England 617-752-4217

Pennsylvania 215-433-5511

PROJECT

Note: 7-2-90	 		
nite. I-C-YA	 7-2	7 -C	_

HONETC	ORING WELL PURGE/SA	NOI THE CICLO CONT	DATE: 7-	2-90
CIENT: Frankly Plantics	TOROC/ SA		n. 1575	
LOCATION: Kearny	-	PROJECT N	17:3	
MONITORING WELL NO. MW-7	_ SAMPLE NO.			•
		· · · · · · · · · · · · · · · · · · ·		
TOTAL DEPTH OF WELL	KEIGHT O	•		
WELL DIMETER 4		THE WASHINGTON		
CONSTRUCTION HATERIAL TERCOM	oeria or	SKYZZ KING BEFOR GRYDE		
STATIC UNTER LEVEL BEFORE PURCE (1) 8. U	(SVL)	TIKE:		•
STATIC WITER LEVEL BEFORE SAPPLING (*)		TIKE:		
CALLONS OF STANDING WATER (SEE BELOA)	w			<u> </u>
TOTAL PLACE BEFORE SUMPLING (SEE BELOU)	(TV)		•	
TO - SL = E E(FT) X C(GAL/FT) = V(GAL) 3 X V = TV				
11.1	• •			
8.6				
2.5				
GO 2 N.				
15 tapl.				
TURSIDITY: Chear	a (-			
THOSE TO SEE THE THE THE THE THE THE THE THE THE T	Clear	bk:	_	
RECHARGE CEARACTERISTICS: 0:1 G7 PM	VITY:			
COMMENTS:				•
		4		
WATER WAS MUCH WAN	MEN THE	THE	r wals	

.,	H = HEIGHT IN FEET OF WATER COUNTY	tu teric	•
ż	V = VATER VOLUEE IN ONE DIRECT	·	CORVERSIONS (C) (GUL/FT)
7	" = NEAREST TENTH OF FOOT. POINT O	F REFERENCE.	DIAMETER FOULVALENTS
1.	TEFLOM BAILER (2") 24" = .18 GAL = 6 BAILS/GAL 36" = .27 GAL = 4 BAILS/GAL	ENGINEERING, CONSULTING, LABORATORY, PILOT PLANT, PLANT TEST SERVICES	2" 1' = 0.16 GU 4" 1' = 0.65 GU 6" 1' = 1.47 GU

(F-12)(12.15.88)

POLLUTION CONTROL, WASTE DISPOSAL RESOURCE RECOVERY, CHEMICAL PROCESS SYSTEMS

יזי להזוי־ידרחי עד Route 202 North, P.O. Box 460 Three Bridges, N.J. 08887 201-782-5900

New England 617-752-4217

Pennsylvania 215-433-5511

PROJECT MANASER:

1' = 2.61 GAL.

•	MOUTTOOTHE LELL NAMES AND ADDRESS OF	DATE: 1-2-90	
E- 11 N	MONITORING WELL PURGE/SAMPLING FIELD FORM		
CLIENT: Franklin Pla	stics P	ROJECT NO: 1575	
LOCATION: Kearny			1.●
MONITORING WELL NO. DW) - 3 SAMPLE NO		•
			i
TOTAL DEPTH OF WELL 194			
VELL DIMETER 2 "	(TO) KEIGHT OF PVC RISER ABOVE O		į
CONSTRUCTION NATERIAL PVC	THE STARS OF BRASS RING BELOW G	RADE	
		•	•
STATIC WATER LEVEL SEFORE PURCE (*)	(1146:	<u> </u>	i
STATIC WATER LEVEL BEFORE SAMPLING (*	11/6:		. :
CALLONS OF STANDING WATER (SEE BELOW)		•	
TOTAL PURCE BEFORE SAMPLING (SEE BELO	49 (TV) * BELOU	N GRADE	
TO - SUL = H H(FT) X C(GAL/FT) = V(GAL)	NOTE: 1	TOP OF CASING IS 0.54 FT. BELOW	GRADE
3 X A = IA	3		
	15	31/1min 3/10	1
19.4 -5 = 15.	.10	3.0	•
	90	-48	
	7.50	•	
	2.40		
	77	een colon	
TURSIDITY: Clear	aca: chart the 1t. Shing		
TEPERATRE:	מאסחכנואונג:		.1
RECHARGE CEARACTERISTICS: 25G	PM		
CHERTS:		• •	
-	·		
•	•		•
	•		
H = HEIGHT IN FEET OF WATER COULIN IN A	K ELL	· -	
V = WATER VOLLEE IN ONE PLACE	·	CONVERSIONS (C) (GAL/FT) WELL	
E REAREST TENTE OF FOOT. POINT OF REF	FERENCE.	DIAMETER EQUIVALENTS	
TEFLON BLILER (24)	ENGINEERING, CONSULTING, LABORATORY,	4" 1' = 0.65 GAL.	
36" = .27 GAL = 4 GAILS/GAL	PILOT PLANT, PLANT TEST SERVICES	6" 1' = 1.47 GAL. 8" 1' = 2.61 GAL	

(F-12)(12.15.88)

POLLUTION CONTROL WASTE DISPOSAL RESOURCE RECOVERY, CHEMICAL PROCESS SYSTEMS

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" U A U A L. TAU, AIT C.

PROJECT WAM MARLSER:

		<u>~</u>	
SAIPLER:_	MAN	MH	_

MONITORING WELL PURGE/SI	DATE: 7-2-90
CLIENT: Franklin Planting	
LOCATION: LOCATION	PROJECT NO: 1575
PROTTORING WELL NO. DW-4 SAMPLE NO.	en en en en en en en en en en en en en e
TOTAL DEPTH OF WELL ZO.6 (TO) REIGHT (OF PYC RISER ABOVE GRADE
VELL DIANETER	F BRASS RING BELOW GRADE
CONSTRUCTION MATERIAL PVC	THE BELLY GROVE
STATIC WATER LEVEL BEFORE PURGE (1) *(U. 1) 5 (SIL)	TINE:
STATIC WITER LEVEL BEFORE SAMPLING (*)	
CALLONS OF STANDING WATER (SEE BELOV)(V)	TIKE:
TOTAL PLACE BEFORE SAMPLING (SEE BELOW)(TV)	* BELOW GRADE
TO - SLA = E	
8(FT) X C(CLL/FT) = V(GLL)	NOTE: TOP OF CASING IS 0.33 FT. BELLW GRAD
. 233	
20.6-6.05 = 14.5	5
. 1	16
873	
1450	6
2.3 2 8	<u> </u>
2,7	3 5
TURSIDITY: Clear ouce: Clear!	t. Brown
TEPERATE:-	. Or or but:
meoctiviti:	· ·
	<u>.</u>
Cochange	
lecharge ~ 3'	Iminote 316 min
'	1484 ~
* *	

H = HEIGHT IN FEET OF WATER COLLING IN WELL C = CONVERSION EQUIVALENT (GAL/FT) Y = WATER VOLUME IN ONE PURCE

- HEAZEST TENTH OF FOOT. POINT OF REFERENCE.

TEFLON BAILER (2")

24" = .18 GAL = 6 BAILS/GAL

36" = .27 GAL = 4 BAILS/GAL

ERGINEERING, CONSULTING, LABORATORY, PILOT PLANT, PLANT TEST SERVICES

VELL

1" = 0.16 GAL 1' = 0.65 GAL. 1' = 1.47 GL. 1' = 2.61 GAL

CONVERSIONS (C) (GAL/FT)

DIAHETER SOULVALENTS

(F-12)(12.15.88)

POLLUTION CONTROL WASTE DISPOSAL RESOURCE RECOVERY, CHEMICAL PROCESS SYSTEMS

Route 202 North, P.O. Box 460 Three Bridges, N.J. 08887 201-782-5900

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Pennsylvania 215-433-5511

PROJECT MARASER: WAW

1' = 2.61 GL.

En la Sala	HONETORING WELL PURGE/SAMPLING FIELD F	ORK P-Z-90	
alent: tranklin Plan	tics	PROJECT NO: 1575	
LOCATION: KOATNY			•
MONITORING WELL NO. DW-	SAMPLE NO.	and the second s	
		•	
TOTAL DEPTH OF LELL 20,9	(TO) KEIGHT OF PVC RISER AS	OVE CRANE	
VELL DIANETER	— DEPTH OF BRASS RING BE		
CONSTRUCTION MATERIAL PYT			
STATIC WATER LEVEL BEFORE PURCE (*)	1.4 × (SIL) TIPE:	•	
STATIC UNTER LEVEL BEFORE SAMPLING (*)_	TIKE:		
CALLOWS OF STANDING WATER (SEE BELOY)_			
TOTAL PLACE BEFORE SUMPLING (SEE BELOW)		LOW GRADE	
TO - SLL = H !(FT) X C(CAL/FT) = V(GAL)	NOTE	: TOP OF CASING 15 0.375 FT. BELOW	N GRADE
3 X V = IV		6	
Dag-7.4 = 13.5	5 x0.16=2.16 x3=6.	•	
20.11		•	
6.			
		•	
1637/c /3° slight	H. brown		
गम्बर्गितः 🗸 🔾 💮	CXCX: PH:		
TEMPERATURE:	CONDUCTIVITY:		<u>.</u> !
RECHARGE CERRICIBISTICS: > 5(7)	PM		
CONCENTS:		÷	•
			••
		•	
•			
K = KEIGHT IN FEET OF WATER COLLER IN WELL C = CONVERSION EQUIVALENT (GAL/FT)		-	
· - WALER VULLES IN ONE ANAM	•	CONVERSIONS (C) (GLL/FT)	
" = NEAREST TENTH OF FOOT. POINT OF REFER. TEFLON BAILER (2")		DIAMETER SOUTVALENTS TO 16 GAL	
36" = .27 GAL = 6 BAILS/GAL	rgimeering, consulting, laborator Pilot Plant, Plant Test Services	Y. 6" 1' = 0.65 GAL.	•
WITZ\CYT	TEST SERVICES	8" 11 = 2 41 611	

(F-12)(12.15.88)

POLLUTION CONTROL WASTE DISPOSAL RESOURCE RECOVERY, CHEMICAL PROCESS SYSTEMS

26-20725-7 SHEET 1 OF 1

JOB NO. CLIENT PROJECT LOCATION KEARNY, NJ 1575 FRANKLIN PLASTICS CORP. LOCATION OF WELL ELEVATION AND DATUM ADJACENT TO MONITORING WELL MW-3] APPROX. 5' ABOVE M.S.L. DRILLER INSPECTOR DRILLING CONTRACTOR RECON SYSTEMS SEL BIT TIPE DATE STARTEDIDATE COMPLETED DRILLING RIG TYPE 10''& 6'' 6-13-90 MOBIL B-53 WET ROTARY 6-14-90 | HAMMER | DROP | TOTAL DEPTH SAMPLER TYPE |WATER LEVEL WEIGHT 21' 51 |LITH|DEPTH|W| SAMPLE |TYPE| FT. |A| T LITHOLOGY WELL NO. | BLOWS | CONSTRUCTION |E| IRI -- 6.1 IFILL 0-3' IFLUSH MOUNT MANHOLE | | clay, cobbles, 112 '' ID MASTER LOCK #2010 grey-brown color, 12'' EXPANSION CAP | moist. | COAL ASH 3-6.5' 110'' OUTER CASING | grey-brown to black| | SCHEDULE 40 STEEL | wet, some clav. 0.3-101 | CEMENT: 0.3-10' | CLAY 6.5-8' | 2'' INNER CASING | dark grey, wet, | SCHEDULE 40 PVC | rootlets, dense, | CEMENT 0-2' | BENTONITE: 2-14 | SILT, 8'', v. moist, | SAND #2: 14-21' | SILT, 8'', v. moist, | FILISH THREADED | BENTONITE: 2-14' 10 | | grey to brown color, | | FLUSH THREADED | |brick chips in upper| | COUPLING '| 12 | |2'', red brown grey 12'' SCREEN: |color in lower 6'', | SCHEDULE 40 PVC | |ss pebbles, grey 1 0.020 SLOT | | mottling. 1 16-21' [CLAY, 16' grey to 2'' BOTTOM PLUG: | |black organic clay, | THREADED PVC 生工 16 | |leaves,rootlets, Imoist. (CLAY 8-13' 18 | same as above. |CLAY 13-17' | wet, brown sandy, 1 20 ss cobbles, very | coarse sands at 17'| green clay mottling 22 SAND 17-21/ | silty mud at 18', | coarse grained sand 24 ss cobbles, wet

RECON SYSTEMS, INC. THREE BRIDGES, NJ

PERMIT NO.

26-20726-5

	171						<u></u>					SHEET 1	OF 1
JOE	NO	157	re:	CLI			Trac conn		PR	OJ:	ECT LOCAT		
LTAC			OF WE	T.T.	AN	KLIN PLAS	TICS CORP.		FI	Et/	ATION AND	KEARN	IY, NJ
200 		•			то	MONITORT	NG WELL MW-	-4R	. 51	e vi La	RIION AND	DATUM	(C T
DRI	LLI	NG	CONTR	ACTOR	<u> </u>		DRILLER	. 31	IN	SP	ECTOR	ABOVE P	1.0.L.
Ĺ				REC	ON	SYSTEMS	•	EL					SEL
DRI	LLI		RIG T				BIT TYPE		. DA	ΤĒ	STARTED	DATE COM	IPLETED
			MOBIL	B-53	WE	T ROTARY	10''& 6	1	: ,	6-:	13-90	6-14-9	
SAM	PLE	ŔŢ	YPE				HAMMER DRO	OΡ	TO	TA.	L DEPTH	WATER L	EVEL
			•			•	WEIGHT		1			1	
~ ~	MOT			100000		· · · · · · · · · · · · · · · · · · ·			<u>:</u>		21'	1	6'
SA	MPL	E		DEPTH				- 1				•	
	1		TYPE	FT.		•		- [1		
MO	I. [BL0	へたてご	I	i	T	·	HOLOGY	ļ			•	WELL	
NO.	I Div	JWS	1]. 	E	•		!			CON	STRUCTIO	N
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	1		14	1 !	ļ	ASPHALT (0.2-0.5	I			FLUSH NO		OLE
	1			1 2	1	FILL 0.5-		1			12 '' ID		
	¦-	-	5	¦	1		large shal	1.			MASTER L		
	1		-	! -	!	DIICKS, fracment	s with br.	161	3 8		2'' EXPAI 10'' OUT		
	i			4	i		pist to wet				SCHEDUL		
	i_ε	9		` -	i		sh -soft to		-8		0.3-10'		15T
	Ì			i –	i		. moist.	1	8	<i>"</i>	CEMENT:		1
	15 2	4	- m-	6	i	-,,,		ì			CDIIDN1.	0.5 10	
	2	4	三二		V	CLAY 6.5-	-11'	i i	-8		2'' INNE	R CASTNG	: 1
				-	[≡	light to	dark grey	7. İ			SCHEDUL		
	1_3	4	1 A 3	_ 8 _	1	tight, s	sl. moist,	1	Ø.		0.3-16'		į
	2	3	7-1-	ļ	۱.	rootlets	,leaves ar	nd		7	CEMENT	0-2 '	
	!	_	14-12		•	organic	matter,	- 1	· A t		BENTONI	TE: 2-14	•
]_3	2	1 1	_ ¹⁰ _	ļ	slightly	nicaceous	3.1	_3	1_1	SAND ±2	: 14-21'	
	i I		(1		-	FLUSH TH		
	i . 1			7.7		CLAY 11-2		- 1		1	COUPLING		
	¦	14		_12 _		red to b	rown sandy	7	_	_	2'' SCRE		į
		7.4		_		green mo	etting,	. !			SCHEDUL		: [
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	15				((SAND, 15-21',	c. sibr.	- !-	-		16-21'	014 DT.114	
	ĺ		i	_		_	ss clasts, wet	1	- 11		2 BOTT		
	9	11		16		F 6,		- 1	- 11		INKEADE	D PVC	1
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RECON SYSTEMS, INC. THREE BRIDGES, NJ

PERMIT NO. 26-20727-3
SHEET 1 OF 1

					-						SHEET 1	OF 1
JOB N			EN				PF	ILOS	ECT LOCAT			
	157		FR	AN	KLIN PLAS	TICS COR	P	KEARNY, NJ ELEVATION AND DATUM				
LOCAT	LION	OF WE					120 1					
DETT	TATO	CONTR		<u>T</u>	O MONITOR					PROX. 5'	ABOVE M	.S.L.
DKILL	TNG	CONTR			Gitambua	DRILLER		IIV	SPI	ECTOR		
DDTTT	TNC	RIG T		UN	SYSTEMS	I STA AVE	SEL	1	<u> </u>			SEL
DKTTT				T.TTO	m Domany	BIT TYP		DA	DATE STARTED DATE COMPLET 6-13-90 6-14-90			
SAMPL			<u> </u>	WE:	T ROTARY	10''&		1 000			6-14-9	
SHITEL	JER I	LFL					DRUP.	TTC	TAI	DEPTH	WATER L	EVEL
						WEIGHT		1		2.1 '	7.	41
SAMP	TE	I T.TTH	DEPTH	I W						2.1	1 .	4 -
			FT.						l			
				T	•				i	 	WELL	
NO. B	ROWS	i	ì	Ē	•				1		"ELL STRUCTIO	N
1		ì	i	İR	•				1	CON	SIRUCIIO	TA
			1	 	ASPHALT 0-0.5'				,	FLUSH MO	שא א יייוו	OLE
i		[-··]_	i	FILL 0.5-7'				圍	12 '' ID		TIE
i		i	1 2	ì	brown clay					MASTER L		n
i –	_	-	;	i	brown clay					2'' EXPA		
1		<u> </u>	j -	i	moist between 3-4'					10'' OUT		
j		i Tid	4	i	Morse between 3-4						E 40 STE	
i	2 3	1	i	i	 wet at 5'				9-	0.3-10	2 40 010	
Í		1-=	i –	i	wet at 5						0.3-10'	
Í.	2 2	1.	6	i	Ì	•	i	1		, , , , , , , , , , , , , , , , , , ,	0.0 20	
1	2 <u>1</u>	1	i –	ì i	CLAY 7-1:	l'	į.	-8	9-	2'' INNE	R CASTNO	
ĺ			j –	V	light to	dark o	rev.	Ø		,	E 40 PVC	
1_	2 2	<u> </u>	8	j≅	tight, d					0.3-16'	0 0	•
1	2 <u>2</u> 2 2	1 6 -0	i –	i		y moist.	'i	-B		CEMENT	0-21	
1		10-0	i –	i .i	i		i			Į.	TE: 2-14	1
1_	2 2	1-0-	10	i :	İ		i				: 14-21'	
1	—	10-5	1 -		• • • • • • • •		i	-4	ا—ع	FLUSH TH		
1		1	1 -	Î	CLAY, 14	',dk.gre	v, i	· }		COUPLING		
1_			12		sticky, we	et, v. ti	aht i	- 1		2'' SCRE		
Į	•		I		ss cobble	2,5'', ja	m, i	-	-		E 40 PVC	<u>.</u>
1		1==	! -	1	red brown		i			0.020 S		
	. • <u></u>	====	1_14 _		• • • • • • • •		İ			16-21'		
	•	13.7	_	1 1	SAND, 2'1	silty,re	ootsi	_		2'' BOTT	OM PLUG:	•
			-	1 1	CLAY,8''	same, gr	ey,		i	THREADE		
!_	_	1.	16_		wet,root]	lets in	top					
ļ	• •	130	_	1 1	3'',sharp	contact	t į	_				
ļ		1 44	 -		with:		Ì	Į	i			
!_	_	1	_18 _	1	SAND, 14-21			_ 🖺	j		•	
. [coarse, rotten ss,			_ [1 - i			
!			-		coarse grained,						•	
-	_		_20 _	ļ Į	clasts to 2'', R=50%			_ [i _ i			
ragh.			!									
		• •	-		SAND, coarse, subround			E				
~ !-			_22 _		grains to	1/8-1/4	4 11, 1		_]	£		
· !		! !			pea grave	l,ss cla	astsi	_	-			
		1		l Í	wet, clean, jam,				i			
- I			24		polyminer	ريدب اهسار	j		J			

APPENDIX III Boring Lithologic Logs

RECON SYSTEMS, INC. TRREE BRIDGES, NJ

SHEET OF

JOB NO. CLIENT PROJECT LOCATION . 1575 Franklin Plastics Kearny LOCATION OF BORING ELEVATION AND DATUM 48.5' from fence; 3 ft from building DRILLING CONTRACTOR DRILLER INSPECTOR RECON RMC DRILLING RIG TYPE SIZE AND TYPE OF BIT DATE STARTED DATE COMPLETED 6-12-90 6-12-90 SAMPLER TYPE HAMMER WEIGHT TOTAL DEPTH DROP WATER LEVEL 4" d hand auger 16" · SAMPLES LITE DEPTH W I RECOVERY FT. DESCRIPTION OF SOILS NO. AND BLOWS TYPE REMARKS - 6'' -SAND, 0-2" gry, weeds . 12"_ LOAM, 2" -10" dk brown loam 18"-LOAM, 10"-16" rd brn loam - moist sample B-19 12" - 16"

JOB NO		•			CLIENT	•		PROJECT LOCATIO	ON NO
1575	_		Fr	ankl	in Plastics			Kearny	
LOCATI	CON O	BORI	NG					ELEVATION AND	DATUM
t کا ا	rom ce	nter of	gate n	ear	discharge pipe;	6" from bu	ilding -		
		ONTRAC	ror			DRILLER		INSPECTOR	
RECON			·					RMC	
OKTELI	ING RI	G TYPE				SIZE AND	TYPE	DATE STARTED	DATE COMPLETED
CANOTE	70			•.		OF BIT		6-12-90	.6-12-90
SAMPLE				•		HAMMER.	DROP	TOTAL DEPTH	WATER LEVEL
	hand a		•			WEIGHT		26"	
Sampl	ES	LITE	DEPTH	I A I					Z RECOVERY
NO. E	BLOWS	TYPE	FI.	T E R	D	ESCRIPTIO	N OF SO	ILS	AND REMARKS
					SAND, 0-8" gry	-dry			
, <u> </u>	-	•	-4"-						
		• • •	<u> </u>		FIIL, 8-14" bro	wn loam, t	raprock,	brick fragments	
<u> </u>	-	•	L 8"_		LOAM, 14-16" bro	•			
	1	<i>a</i> .	_ 1		thick clay st	ringer			1 7 22
-	_	1	12"			- '		·	sample B-20 22" - 26"
		. A	- 1		FIIL, 16-20" brown loam				
\vdash	-	0 .	16"		bricks I" d mois	st.			
		0-	-						
-	-		_20'-		FILL, 20–26"				
		0	- 1		dk brown loam bricks l'd, moi	st			
. -	-)	_24"_	7					
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RECON SYSTEMS, INC.
THREE BRIDGES, NJ

SHEET OF

JOB 15					CLIENT			PROJECT	LOCATIO	N			
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		11.			LOAM, 0-4" yell	ow gray. lo	an, grav	el ·				
	_	- 7 -			FILL, 4"-12" red	h		. ,	** :			
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Ì					FIIL, 12" - 18"	red brown	loam	• ••				
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- 1					traprock, 🖑 d :	slag, dry				12" -18"		
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JOB	NO.				CLIENT					SHEET	<u>" – </u>
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JOB	NO.			<u> </u>	CLIENT	· · · · · · · · · · · · · · · · · · ·		·		SREET OF
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SAM	PLES	LITH		WA						Z RECOVERY
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RECON SYSTEMS, INC. THREE BRIDGES, NJ

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OB NO	•			٠.	CLI	•			PROJEC	T LOCATIO	N
1575				Fr	anklin	Plastics	<u>. </u>	•	1 ·	arny, N.J.	
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RILLI	NG CC	NTRACT	OR				DRILLER	₹	INSPEC	TOP	
RECON										1 Moody	
	•	G TYPE	, 				SIZE AN	ID TYPE	1	TARTED 13-90	DATE COMPLETED 6-13-90
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JOB	NO.				CLIENT			·			of	
157.		_		F	•			PROJECT				
		F BORI	NC	LLA	nklin Plastics	<u> </u>		Kearmy	, Ŋ.J.	<u> </u>		
AGT	-3. 17'	east 34	" south	٥F	NW corner of dil		·	ELEVATIO	AND DA	ATUH		
DRIL	LING C	ONTRAC	TOP	- 01	in corner or di		·					
REO		· .				DRILLER		INSPECTO	R	. ~		
		IG TYPE						Bill M	oody	4 1		
_			-			SIZE AND OF BIT	TYPE	DATE STA		DATE COMPLETED		
	LER TY	PE		-	•	HAMMER	DROP	6-12-3		6-12-		
Hand	d auger					WEIGHT	DKOP	TOTAL DE	FIH	WATER	LEVEL	
SAMI	PLES	LITH	DEPTH	W	·	1		10				
NO.	BLOWS	TYPE	FI.	ATER	ום	ESCRIPTIO	N OF SO	ILS		4	COVERY AND	
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SHEET JOB NO. CLIENT PROJECT LOCATION 1575 Franklin Plastics Kearny, N.J. LOCATION OF BORING ELEVATION AND DATUM ACT-4 DRILLING CONTRACTOR DRILLER INSPECTOR RECON Bill Moody DRILLING RIG TYPE SIZE AND TYPE OF BIT DATE STARTED DATE COMPLETED 6-12-90 6-12-90 SAMPLER TYPE BAMMER DROP TOTAL DEPTH WATER LEVEL Hand auger WEIGHT 24" SAMPLES LITE DEPTH I RECOVERY FT. DESCRIPTION OF SOILS BLOWS NO. TYPE AND REMARKS 611-BASALTIC CRUSHED STONE FILL 0-18" (1"-3" dizzeter) 12" 18" CINDERS, 18"-24" 24"_

APPENDIX IV

Health and Safety Plan

(To be submitted at a later date.)

APPENDIX V

Soil Analytical Reports and Quality Assurance/Quality Control Documentation

RECON SYSTEMS INC.

ROUTE 202N, P.O. BOX 460, THREE BRIDGES, N.J. 108887-0460 201-782-5900 *FAX 201-782-0072

ANALYSIS REPORT

寒NEW ENGLAND 508-752-4217 %PENNSYLVANIA 215-433-5511 定CONNECTICUT 203-293-1212

July 26, 1990

FRANKLIN PLASTIC Project TO:

Attn: William A. Moody RECON Project No. 1575

Sample: Soil and blank water sampled 6/12/90 Kearny, New Jersey

RECON Sample No.	21125	21126	21134	21136
Sample ID	PR-1 0-6"	PR-2 0-6"	AGT-4 18-24"	Field Blank
Parameter				
Base Neutrals + 15 (EPA 8270B + 15)*	*	*	LT,+	-
Base Neutrals + 15 (EPA 625B + 15)*	-	-	-	ND

* = see attached Accutest report

ND = none detected

LT = any compounds found were less than the method detection limit = compounds found were found in similar concentration in the laboratory blank

Samples from this project will be retained for sixty days from the date of this report unless otherwise directed.

Submitted

Laboratory Service Coordinator

Approved by:

Patrack J. Mulroone

Vice President

New Jersey State Certified Water Laboratory Certification No. 10196

EMH/mac 1575



RECON SYSTEMS, INC.
ROUTE 202 NORTH
P.O. BOX 460
THREE BRIDGES, NJ 08

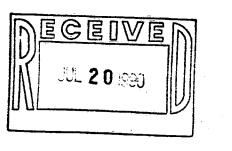
08887

DATE: 07/19/90 JOB No: 903466 PROJECT No: 1575 SAMPLE RECEIVED: 06/13/90

ATTN: DARYL STEPHEN

SAMPLE SUMMARY

SAMPLE No	*	LECTED TIME	ВY	POINT OF COLLECTION
E014830	06/12/90		WAM	SOIL - 21125, PR-1, 0"-6"
E014831	06/12/90		WAM	SOIL - 21126, PR-2, 0-6"
E014832	06/12/90		WAM	SOIL - 21134, AGT-4, 18-24"
E014833	06/12/90		WAM	WATER - 21136, FIELD BLANK



VINCENT JV PUGLIESI VICE PRESIDENT



	DESCRIPTION	COMPLETE
I.	COVER PAGE, FORMAT, AND LABORATORY CERTIFICATION (INCLUDE CROSS REFERENCE TABLE OF FIELD I.D. # AND LABORATORY I.D. #)	x
II.	CHAIN OF CUSTODY	x
III.	SUMMARY SHEETS LISTING ANALYTICAL RESULTS INCLUDING QA DATA INFORMATION	X
IV.	LABORATORY CHRONICLE AND METHODOLOGY SUMMARY INCLUDING SAMPLING HOLDING TIME CHECK	X
v.	INITIAL CALIBRATION AND CONTINUING CALIBRATION	x
VI.	TUNE SUMMARY (MS)	x
VII.	BLANKS (METHOD, FIELD, TRIP)	x
viii.	SURROGATE RECOVERY SUMMARY	x
IX.	CHROMATOGRAPHS LABELLED/COMPOUND IDENTIFICATION (GC)	_N/A_
х.	MINIMUM DETECTION LIMITS (LOWER THAN ACTION LEVEL IF CLEAN ZONE SAMPLE)	x
XI.	CONFORMANCE SUMMARY	x

MANAGER



TABLE OF CONTENTS

- 1. ANALYTICAL RESULTS
- 2. GAS CHROMATOGRAPHY/ MASS SPECTROMETRY SUPPORT DATA
- 3. GAS CHROMATOGRAPHY SUPPORT DATA
- 4. INORGANIC/ GENERAL CHEMISTRY SUPPORT DATA
- 5. CHAIN OF CUSTODY AND LABORATORY CHRONICLE



ANALYSIS REPORT FOR BASE NEUTRAL EXTRACTABLES BY GC/MS

CLIENT : RECON LAB SAMPLE #: E014830 MATRIX : SOIL

METHOD : SW846 8270 ANALYSIS DATE: 06/30/90 DATA FILE : >D0625

COMPOUND	RESULT (ug/kg)*	MDL (ug/kg)*	Q
1) ACENAPHTHENE 2) ACENAPHTHYLENE 3) ANTHRACENE 4) BENZIDENE 5) BENZO(A) ANTHRACENE 6) BENZO(A) PYRENE 7) BENZO(B) FLUORANTHENE 8) BENZO(K) FLUORANTHENE 9) BENZO(G, H, I) PERYLENE 10) BIS(2-CHLOROETHOXY) METHANE	ND ND 68 ND 220 150 120 120 ND ND	600 600 3000 600 600 600 600	J
11) BIS(2-CHLOROETHYL)ETHER 12) BIS(2-CHLOROISOPROPYL)ETHER 13) BIS(2-ETHYLHEXYL)PHTHALATE 14) 4-BROMOPHENYL PHENYL ETHER 15) BUTYL BENZYL PHTHALATE 16) 2-CHLORONAPHTHALENE 17) 4-CHLOROPHENYL PHENYL ETHER	ND ND 160 ND ND ND	600 600 600 600 600 600	J
18 CHRYSENE 19 DIBENZO(A, H) ANTHRACENE 20 1,2-DICHLOROBENZENE 21 1,3-DICHLOROBENZENE 22 1,4-DICHLOROBENZENE 23 3,3'-DICHLOROBENZIDENE 24 DIETHYL PHTHALATE 25 DIMETHYL PHTHALATE 26 DI-N-BUTYL PHTHALATE 27 2,4-DINITROTOLUENE 28 2,6-DINITROTOLUENE 29 DI-N-OCTYL PHTHALATE	260 ND ND ND ND ND ND ND ND ND ND ND ND ND	600 600 600 600 1200 600 600 600 600	J
COMPOUND ACENAPHTHENE ACENAPHTHYLENE ACENAPHTHYLENE ANTHRACENE BENZO(A) ANTHRACENE BENZO(A) PYRENE BENZO(B) FLUORANTHENE BENZO(G, H, I) PERYLENE BENZO(G, H, I) PERYLENE BENZO(G, H, I) PERYLENE BENZO(G, H, I) PERYLENE BENZO(G, H, I) PERYLENE BENZO(G, H, I) PERYLENE BENZO(G, H, I) PERYLENE BENZO(G, H, I) PERYLENE BENZO(G, H, I) PERYLENE BENZO(G, H, I) PERYLENE BENZO(G, H, I) PHERYL ETHER BIS(2-CHLOROSTHYL) PHTHALATE BIS(2-CHLOROSTHYL) PHTHALATE BUTYL BENZYL PHTHALATE CHRYSENE BUTYL BENZYL PHENYL ETHER CHRYSENE DIBENZO(A, H) ANTHRACENE ACHIOROPHENYL PHENYL ETHER CHRYSENE DIBENZO(A, H) ANTHRACENE 1, 3-DICHLOROBENZENE 1, 3-DICHLOROBENZENE 1, 3-DICHLOROBENZENE 21 1, 3-DICHLOROBENZIDENE 22 1, 4-DINITROTOLUENE DIMETHYL PHTHALATE DI-N-OCTYL PHTHALATE DI-N-OCTYL PHTHALATE TLUORANTHENE 31 FLUORANTHENE 32 FLUORENE 34 HEXACHLOROBUTADIENE 35 HEXACHLOROBUTADIENE 36 HEXACHLOROBUTADIENE 37 INDENO(1,2,3-CD) PYRENE 38 ISOPHOROME 39 NAPHTHALENE 40 NITROSODIMETHYLAMINE 41 N-NITROSODIMETHYLAMINE 41 N-NITROSODIMETHYLAMINE 42 N-NITROSODIMETHYLAMINE 44 PHENANTHRENE 45 PYRENE 46 1,2,4-TRICHLOROBENZENE	ND 520 ND ND ND ND ND ND ND ND ND	600 6000 6000 6000 6000 6000 6000	J
44) PHENANTHRENE 45) PYRENE 46) 1,2,4-TRICHLOROBENZENE	ND 290 310 ND	600 600 600 600	J J

ND = NOT DETECTED MDL= METHOD DETECTION LIMIT

* = REPORTED ON A DRY WEIGHT BASIS

QUALIFIERS (Q)

J =INDICATES AN ESTIMATED VALUE BELOW MDL B =INDICATES COMPOUND FOUND IN THE ASSOCIATED BLANK AS WELL AS IN SAMPLE

RECON SYSTEMS INC.

ROUTE 202N, P.O. BOX 460, THREE BRIDGES, N.J. 08887-0460 201-782-5900 FAX 201-782-0072

NEW ENGLAND 508-752-4217 PENNSYLVANIA 215-433-5511 CONNECTICUT 203-293-1212

ANALYSIS REPORT

July 26, 1990

TO: FRANKLIN PLASTICS Project

Attn: William A. Moody RECON Project No. 1575

Sample: Soil and blank water sampled 6/13/90, Kearny, New Jersey

	•					
RECON Sample No.	21139	21140	21141	21142	21143	21144
Sample ID	PR-3 0-6"	PR-4 0-6	Background 0-6"	Background 6-12"	Background 42-48"	Field Blank
Parameter						
Base Neutrals + 15 (EPA 82708 + 15)*	*	•	*	•	LT, +	-
Base Neutrals + 15 (EPA 625B+15)*	•		-	•	•	N D

ND = none detected

LT = any compounds found were less than the method detection limit

Samples from this project will be retained for sixty days from the date of this report unless otherwise directed.

Submitted by:

Laboratory Service Coordinator

Approved by:

Patrick J. Mulrooney

Vice President

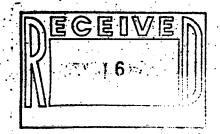
EMH/mac 1575.1

> New Jersey State Certified Water Laboratory Certification No. 10196

⁼ see attached Accutest report

⁼ compounds found were found in similar concentrations in the laboratory blank.





RECON SYSTEMS, INC. ROUTE 202 NORTH P.O. BOX 460 THREE BRIDGES, NJ

08887

ATTN: DARYL STEPHEN

DATE: 07/13/90 JOB No: 903507 PROJECT No: 1575 SAMPLE RECEIVED: 06/15/90

SAMPLE SUMMARY

SAMPLE No	COLI DATE	LECTED TIME	BY	POINT OF COLLECTION
E014991	06/13/90	16:20	WAM	SOIL - 21139, PR-3, O-6"
E014992	06/13/90		WAM	SOIL - 21140, PR-4, 0-6"
E014993	06/13/90	16:00	WAM	SOIL - 21141, BACKGROUND, 0-6"
E014994	06/13/90	16:08	WAM	SOIL - 21142, BACKGROUND, 6-12"
E014995	06/13/90	16:30	WAM	SOIL - 21143, BACKGROUND, 42-48"
E014996	06/13/90		MAW	WATER - 21144, FIELD BLANK

VINCENT : PUGLIESE VICE FRESIDENT



•	DESCRIPTION	COMPLETE
ı.	COVER PAGE, FORMAT, AND LABORATORY CERTIFICATION (INCLUDE CROSS REFERENCE TABLE OF FIELD I.D. # AND LABORATORY I.D. #)	X
II.	CHAIN OF CUSTODY	x
III.	SUMMARY SHEETS LISTING ANALYTICAL RESULTS INCLUDING QA DATA INFORMATION	x
IV.	LABORATORY CHRONICLE AND METHODOLOGY SUMMARY INCLUDING SAMPLING HOLDING TIME CHECK	x_
v.	INITIAL CALIBRATION AND CONTINUING CALIBRATION	x
VI.	TUNE SUMMARY (MS)	x
VII.	BLANKS (METHOD, FIELD, TRIP)	x
vIII.	SURROGATE RECOVERY SUMMARY	x
IX.	CHROMATOGRAPHS LABELLED/COMPOUND IDENTIFICATION (GC)	_N/A_
х.	MINIMUM DETECTION LIMITS (LOWER THAN ACTION LEVEL IF CLEAN ZONE SAMPLE)	x
XI.	CONFORMANCE SUMMARY	X

MANAGER

DATE



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- 5. CHAIN OF CUSTODY AND LABORATORY CHRONICLE



ANALYSIS REPORT FOR BASE NEUTRAL EXTRACTABLES BY GC/MS

CLIENT : RECON LAB SAMPLE #: E014991 MATRIX : SOIL

METHOD : SW846 8270 ANALYSIS DATE: 06/30/90 DATA FILE : >D0629 >D0691

COMPOUND	RESULT (ug/kg) *	MDL (ug/kg)*	Q
COMPOUND ACENAPHTHENE ACENAPHTHYLENE ACENAPHTHYLENE ANTHRACENE BENZO(A) ANTHRACENE BENZO(A) ANTHRACENE BENZO(B) FLUORANTHENE BENZO(B) FLUORANTHENE BENZO(B) FLUORANTHENE BENZO(G, H, I) PERYLENE OBSIS(2-CHLOROETHOXY) METHANE LIBIS(2-CHLOROETHOXY) METHANE LIBIS(2-CHLOROETHYL) ETHER LIBIS(2-CHLOROETHYL) ETHER LIBIS(2-CHLOROETHYL) ETHER LIBIS(2-CHLOROETHYL) ETHER LIBIS(2-CHLOROETHYL) ETHER LIBIS(2-CHLOROETHYL) ETHER LIBIS(2-CHLOROETHYL) ETHER LIBIS(2-CHLOROETHYL) ETHER LIBIS(2-CHLOROETHYL) ETHER LIBIS(2-CHLOROETHYL) ETHER LIBIS(2-CHLOROPHENYL PHENYL ETHER LIBIS(2-CHLOROPHENYL PHENYL ETHER LIBIS(2-CHLOROPHENYL PHENYL ETHER LIBIS(2-CHLOROBENZENE LIBIS(2-CHLOROBENZENE LIBIS(2-CHLOROBENZENE LIBIS(2-CHLOROBENZENE LIBIS(2-CHLOROBENZENE LIBIS(2-CHLOROBENZENE LIBIS(2-CHLOROPHENYL PHTHALATE LIBIS(2-CHLOROPHENYL PHENYL PHTHALATE LIBIS(2-CHLOROPHENYL PHTHALATE LIBIS(2-CHLOROPHENYL PHTHALATE LIBIS(2-CHLOROPHENYL PHTHALATE LIBIS(2-CHLOROPHENYL PHTHALATE LIBIS(2-CHLOROPHENYL PHTHALATE LIBIS(2-CHLOROPHENYL PHTHALATE LIBIS(2-CHLOROPHENYL PHTHALATE LIBIS(2-CHLOROPHENYL PHTHALATE LIBIS(2-CHLOROPHENYL PHTHALATE LIBIS(2-CHLOROPHENYL PHTHALATE LIBIS(2-CHLOROPHENYL PHTHALATE LIBIS(2-CHLOROPHENYL PHTHALATE LIBIS(2-CHLOROPHENYL PHTHALATE LIBIS(2-CHLOROPHENYL PHTHALATE LIBIS(2-CHLOROPHENYL PHTHALATE LIBIS(2-CHLOROPHENYL PHTHALATE LIBIS(2-CHLOROPHENYL PHTHALATE LIBIS(2-CHLOROPHENYL PHTHALATE LIBIS(2-C	RESULT (ug)* ND ND ND ND ND ND ND ND ND N	MDL (ug/kg)* 3300 17300 17300 3300 3300 300	Q
41 N-NITROSODIMETHYLAMINE 42 N-NITROSODI-N-PROPYLAMINE 43 N-NITROSODI-HENYLAMINE 44 PHENANTHRENE 45 PYRENE 46) 1,2,4-TRICHLOROBENZENE	ND ND ND ND ND ND	3300 3300 3300 3300 3300 3300	•

ND = NOT DETECTED
MDL= METHOD DETECTION LIMIT

= REPORTED ON A DRY WEIGHT BASIS

QUALIFIERS (Q)

J =INDICATES AN ESTIMATED VALUE BELOW MDL B =INDICATES COMPOUND FOUND IN THE ASSOCIATED BLANK AS WELL AS IN SAMPLE

RECON SYSTEMS INC.

ROUTE 202N, P.O. BOX 460, THREE BRIDGES, N.J. 08887-0460 \$201-782-5900 \$FAX 201-782-0072

NEW ENGLAND 508-752-4217 ***PENNSYLVANIA 215-433-5511 ****CONNECTICUT 203-293-1212

July 26, 1990

ANALYTICAL DATA REPORT

TIER II OC PACKAGE

CLIENT:

FRANKLIN PLASTICS

LOCATION:

Kearny, NJ

RECON PROJECT NO:

1575

RECON SAMPLE NOS:

21125-21136, 21139-21144

SAMPLES RECEIVED (DATE):

June 13 & 14, 1990

RECON PROJECT MANAGER:

W. A. Moody

Patrick J. Mulrooney Vice President

New Jersey State Certified Water Laboratory Certification No. 10196

21125-44 (XIX)

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- B. Laboratory Deliverables
- C. Surrogate Recoveries (omitted, not necessary for this report)
- D. Method Blank Summary
- E. Calibration Data/Standard Scans
- F. Spike Recovery Data

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- B. Instrument Identification Summary
- C. Nomenclature/Vendors

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- A. Sample Support Data
- B. Notebook Pages
- C. Chain-of-Custody Forms

RECON SYSTEMS, INC. Three Bridges, NJ 08887

21125-44 (XIX)

SECTION I SAMPLE DATA

21125-44 (XIX)

RECON SYSTEMS, INC. Three Bridges, NJ 08887

A. SAMPLE INVENTORY

RECON SAMPLE NO.	SAMPLING LOCATION	DATE OF COLLECTION	ANALYSES REQUESTED
21125	PR-1 0-6"	6/12/90	Total Petroleum Hydrocarbons, Antimony, Cadmium, Chromium, Copper, Lead, Zinc
21126	PR-2 0-6"	6/12/90	Total Petroleum Hydrocarbons, Antimony, Cadmium, Chromium, Copper, Lead, Zinc
21127	B-19 12"-16"	6/12/90	Total Petroleum Hydrocarbons
21128	B-20 22"-26"	6/12/90	Total Petroleum Hydrocarbons
21129	B-21 14"-20"	6/12/90	Total Petroleum Hydrocarbons
21130	B-22 12"-18"	6/12/90	Total Petroleum Hydrocarbons
21131	AGT-1 24-30"	6/12/90	Total Petroleum Hydrocarbons
21132	AGT-2 18-24"	6/12/90	Total Petroleum Hydrocarbons
21133	AGT-3 18-24"	6/12/90	Total Petroleum Hydrocarbons
21134	AGT-4 18-24"	6/12/90	Total Petroleum Hydrocarbons
21135	AGT-5 18-24"	6/12/90	Total Petroleum Hydrocarbons
21136	Field Blank	6/12/90	Total Petroleum Hydrocarbons Antimony, Cadmium, Chromium, Copper, Lead, Zinc
		TATIONAL COLORS	

21125-44 (XIX)

RECON SYSTEMS, INC. Three Bridges, NJ 08887

19

W

RECON SAMPLE NO.	SAMPLING LOCATION	DATE OF COLLECTION	ANALYSES REQUESTED
21139	PR-3 0-6"	6/13/90	Total Petroleum Hydrocarbons, Antimony, Cadmium, Chromium, Copper, Lead, Zinc
21140	PR-4 0-6"	6/13/90	Total Petroleum Hydrocarbons, Antimony, Cadmium, Chromium, Copper, Lead, Zinc
21141	Background 0-6"	6/13/90	Total Petroleum Hydrocarbons, Antimony, Cadmium, Chromium, Copper, Lead, Zinc
21142	Background 6"-12"	6/13/90	Total Petroleum Hydrocarbons, Antimony, Cadmium, Chromium, Copper, Lead, Zinc
21143	Background 42-48"	6/13/90	Total Petroleum Hydrocarbons, Antimony, Cadmium, Chromium, Copper, Lead, Zinc
21144	Field Blank	6/13/90	Total Petroleum Hydrocarbons Antimony, Cadmium, Chromium, Copper, Lead, Zinc

21125-44 (XIX)

RECON SYSTEMS, INC. Three Bridges, NJ 08887

EMH

Out -

B. ANALYTICAL RESULTS

21125-44 (XIX)

RECON SYSTEMS, INC. Three Bridges, NJ 08887

B. ANALYTICAL RESULTS

Total Petroleum Hydrocarbons Analysis

Client: FRANKLIN PLASTICS

RECON Project No. 1575

SAMPLE: Water, sampled 6/12/90 & 6/13/90 at Kearny, NJ

Method: via EPA Method 418.1

RECON Sample No.	Sample Description (Water)	Sample <u>Date</u>	Petroleum Hydrocarbons (mg/l)
21136	Field Blank	6/12	ND
21144	Field Blank	6/13	ND

Minimum Detection Limit (Water)

0.5

Samples from this project will be retained for sixty days from the date of this report unless otherwise directed.

New Jersey State Certified Water Laboratory Certification No. 10196

21125-44 (XIX)

RECON SYSTEMS, INC. Three Bridges, NJ 08887

Oat

BIH

Total Petroleum Hydrocarbons Analysis

RECON Project No. 1575

SAMPLE: Soil, sampled 6/12 & 13/90 in Kearny, NJ

Method: via EPA Method 418.1 (Modified)

FRANKLIN PLASTICS

Client:

RECON				
Sample No.		Description (Soil)	Sample <u>Date</u>	Petroleum Hydrocarbons (mg/kg, dry weight basis)
21125	PR-1	0-6"	6/12	574
21126	PR-2	0-6"	6/12	4,730
21127	B-19	12-16"	6/12	<i>2</i> ,490
21128	B-20	22-26 ¹¹	6/12	4,260
21128	MATRIX	DUPLICATE	6/12	3,760
21129	B-21	14-20"	6/12	3,120
21130	B-22	12-18"	6/12	244
21131	AGT-1	24-30"	6/12	281
21132	AGT-2	18-24"	6/12	ND
21133	AGT-3	18-24"	6/12	ND
21134	AGT-4	18-24"	6/12	ND
21135	AGT-5	18-24"	6/12	ND
21139	PR-3	0-6"	6/13	1,690
21140	PR-4	0-6"	6/13	919
21141	BACKGRO	OUND 0-6"	6/13	190
21142	BACKGRO	OUND 6-12"	6/13	426
21143	BACKGRO		6/13	93
Minimum	Detection	Limit (Soil	.)	25

Samples from this project will be retained for sixty days from the date of this report unless otherwise directed.

New Jersey State Certified Water Laboratory Certification No. 10196

21125-44 (XIX)

RECON SYSTEMS, INC. Three Bridges, NJ 08887

Metal Analysis

CLIENT: FRANKLIN PLASTICS

RECON Project No. 1575

Sample: Water, sampled 6/12/90 and 6/13/90 at Kearny, NJ				
Sample ID RECON Sample No.	EPA Method #	Blank	Field Blank 21144	Minimum Detection Limit
Sample Date		6/12	6/13	
<u>Parameter</u>	· • • • • • • • • • • • • • • • • • • •		(mg/l	<u> </u>
Antimony	204	ND	<u>ND</u>	0.05
Cadmium	213	_ND	<u>ND</u>	0.003
Chromium	218	_ND_	<u>ND</u>	0.02
Copper	220	<0.01	<u><0.01</u>	0.01
Lead	239	ND	<u>ND</u>	0.03
Zinc	289	0.006	0.009	0.002

Samples for this project will be retained for sixty days from the date of this report unless otherwise directed.

New Jersey State Certified Water Laboratory Certification No. 10196

21125-44 (XIX)

RECON SYSTEMS, INC. Three Bridges, NJ 08887

HIM

Metal Analysis

CLIENT: FRANKLIN PLASTICS

RECON Project No. 1575

Sample: Soi	Sample: Soil, sampled 6/12/90 and 6/13/90 at Kearny, NJ					
Sample Date:		6/12	6/12	6/13	6/13	
Sample ID. RECON Sample No.	EPA Method		PR-2 0-6" 21126	0-611	PR-4 0-6" 21140	Minimum Detection Limit
<u>Parameter</u>		(mg/kg	, dry we	ight bas	is)	···
Antimony	7040	<1.7	16,200	2.9	<1.7	1.7
Cadmium	7130	0.58	4.75	8.49	1.68	0.04
Chromium	7190	26.7	97.3	54.7	44.8	0.3
Copper	7210	49.2	80.6	53.0	85.6	0.3
Lead	7420	250	7.1	382	143	0.8
Zinc	<u>7950</u>	223	201	133	240	0.08

Samples for this project will be retained for sixty days from the date of this report unless otherwise directed.

New Jersey State Certified Water Laboratory Certification No. 10196

21125-44 (XIX)

RECON SYSTEMS, INC. Three Bridges, NJ 08887

112

LYTICAL RESULTS

al Analysis

RECON Project No. 1575

/90 at Kearny, NJ

BACKGROUND Minimum
42-48" Detection
21143 Limit

q, dry weight basis)

ND 1.7
0.54 0.04
16.0 0.3
101 0.3
120 0.8
310 0.08

l be retained for sixty days from the therwise directed.

Certified Water Laboratory ication No. 10196

N SYSTEMS, INC. Bridges, NJ 08887 CAL RESULTS

nalysis

RECON Project No. 1575

it Kearny, NJ

rix Matrix Matrix Minimum 1. Trip. Quad. Detection 42 21142 21142 Limit

q, dry weight basis)

 .7
 1.7

 .09
 0.04

 .8
 25.9
 21.9
 0.3

 .9
 0.3

 78.8
 91.7
 0.8

 0.08

retained for sixty days from the ise directed.

ied Water Laboratory No. 10196

TEMS, INC. , NJ 08887

APPENDIX VI

Groundwater Analytical Reports and Quality Assurance/Quality Control Documentation

RECONSYSTEMS INC.

ROUTE 202N, P.O. BOX 460, THREE BRIDGES, N.J. 08887-0460 201-782-5900 **EFAX 201-782-0072**

ANALYSIS REPORT

NEW ENGLAND 508-752-4217 #PENNSYLVANIA 215-433-5511 #CONNECTICUT 203-293-1212

August 13, 1990

FRANKLIN PLASTIC Project

Attn: William A. Moody RECON Project No. 1575

Sample: Water sampled 7/2/90 Kearny, New Jersey

RECON Sample No. 21575 21576 21578 Sample ID MW-1 MW-2R Parameter (Method) Volatile organics + 15 (EPA 624 + 15)*LT Base Neutrals + 15

* = see attached Accutest report

ND = none detected

(EPA 625B + 15)*

LT = compounds found were in concentrations less than the method detection limit

ND

Samples from this project will be retained for sixty days from the date of this report unless otherwise directed.

Submitted by:

Ellen M. Hall

Laboratory Service Coordinator

Approved by:

Patrick J. Mulrooney

Vice President

EMH/cp (QA/QC#2)

New Jersey State Certified Water Laboratory Certification No. 10196

RECON SYSTEMS INC.

ROUTE 202N, P.O. BOX 460, THREE BRIDGES, N.J. 08887-0460
201-782-5900 SFAX 201-782-0072

ANALYSIS REPORT

NEW ENGLAND 508-752-4217 *PENNSYLVANIA 215-433-5511 *CONNECTICUT 203-293-1212

August 13, 1990

TO: FRANKLIN PLASTIC Project

Attn: William A. Moody RECON Project No. 1575

Sample: Water sampled 7/2/90 Kearny, New Jersey

RECON Sample No.	21579	21580	21581	21582
Sample ID	<u>MW-5</u>	<u>MW-6</u>	<u>MW-7</u>	<u>DW-3</u>
<u>Parameter</u> (Method)				
Volatile organics + 15 (EPA 624 + 15)*	*	LT	*	LT
Base Neutrals + 15 (EPA 625B + 15)*	*	ĹŢ	*	*

* = see attached Accutest report

LT = compounds found were in concentrations less than the method detection limit

Samples from this project will be retained for sixty days from the date of this report unless otherwise directed.

Submitted by:

Ellen M. Hall

Laboratory Service Coordinator

Approved by:

Patrick J. Mulrooney

Vice President

EMH/cp (QA.QC#2)

New Jersey State Certified Water Laboratory Certification No. 10196

RECON SYSTEMS INC.

ROUTE 202N, P.O. BOX 460, THREE BRIDGES, N.J. 08887-0460

ANALYSIS REPORT

August 13, 1990

TO: FRANKLIN PLASTIC Project

Attn: William A. Moody RECON Project No. 1575

Sample: Water sampled 7/2/90 Kearny, New Jersey

RECON Sample No.	21583	21584	21585	21586	
Sample ID	Det	D00 - F	Field	Trip	
<u>Parameter</u> (Method)	<u>DW-4</u>	<u>DW-5</u>	<u>Blank</u>	<u>Blank</u>	
Volatile organics + 15 (EPA 624 + 15)*	ND	*	. *	*	
Base Neutrals + 15 (EPA 625B + 15)*	*	*	LT		

* = see attached Accutest report

ND = none detected

LT = compounds found were in concentrations less than the method detection limit

Samples from this project will be retained for sixty days from the date of this report unless otherwise directed.

Submitted by:

Ellen M. Hall Laboratory Service Coordinator

Approved by:

Approved by

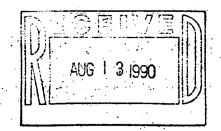
Patrick J. Mulrooney

Vice President

EMH/cp (QA.QC#2)

New Jersey State Certified Water Laboratory Certification No. 10196





RECON SYSTEMS, INC. ROUTE 202 NORTH P.O. BOX 460 THREE BRIDGES, NJ 08887

ATTN: DARYL STEPHEN

DATE: 08/09/90 JOB No: 903952 PROJECT No: 1575 SAMPLE RECEIVED: 07/03/90

	T			
SAMPLE No	COLLECTED			POINT OF COLLECTION
	DATE	TIME	BY	
E017020	07/02/90		MDW	GROUND WATER - 21575, MW-1
E017021	07/02/90		MDW	GROUND WATER - 21576, MW-2R
				•
E017022	07/02/90		MDW	CDOLDID MARRID 21 577 MG/ 2
E01/022	07702790		MUW	GROUND WATER - 21577, MW-3
E017023	07/02/90		MDW	GROUND WATER - 21578, MW-4R
E017024	07/02/90		MDW	GROUND WATER - 21579, MW-5
				-
E017025	07/02/90		MDW	GROUND WATER - 21580,/MW-6
÷				1 /
				V

VINCENT J. PUGLIESE VICE PRESIDENT



RECON SYSTEMS, INC. ROUTE 202 NORTH P.O. BOX 460 THREE BRIDGES, NJ

08887

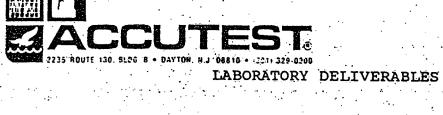
DATE: 08/09/90 JOB No: 903952 PROJECT No: 1575 SAMPLE RECEIVED: 07/03/90

ATTN: DARYL STEPHEN

SAMPLE SUMMARY

SAMPLE No		LECTED TIME	BY	POINT OF COLLECTION
E017026	07/02/90		MDW	GROUND WATER - 21581, MW-7
E017027	07/02/90		MDW	GROUND WATER - 21582, DW-3
E017028	07/02/90		MDW	GROUND WATER - 21583, DW-4
E017029	07/02/90		MDW	GROUND WATER - 21584, DW-5
E017030	07/02/90	·	MDW	WATER - 21585, FIELD BLANK
E017031	07/02/90	09:00	MDW	WATER - 21586, TRIP/BLANK

VINCENT J. PUGLIESE VICE/PRESIDENT



	DESCRIPTION	CHECK IF
I.	COVER PAGE, FORMAT, AND LABORATORY CERTIFICATION (INCLUDE CROSS REFERENCE TABLE OF FIELD I.D. # AND LABORATORY I.D. #)	X
II.	CHAIN OF CUSTODY	_x_
III.	SUMMARY SHEETS LISTING ANALYTICAL RESULTS INCLUDING QA DATA INFORMATION	x
IV.	LABORATORY CHRONICLE AND METHODOLOGY SUMMARY INCLUDING SAMPLING HOLDING TIME CHECK	x
٧.,	INITIAL CALIBRATION AND CONTINUING CALIBRATION	X
VI.	TUNE SUMMARY (MS)	x
VII.	BLANKS (METHOD, FIELD, TRIP)	x_
VIII.	SURROGATE RECOVERY SUMMARY	x
IX.	CHROMATOGRAPHS LABELLED/COMPOUND IDENTIFICATION (GC)	_N/A_
х.	MINIMUM DETECTION LIMITS (LOWER THAN ACTION LEVEL IF CLEAN ZONE SAMPLE)	x
XI.	CONFORMANCE SUMMARY	X

MANAGER	Tool 1
HANAGER	. Offer



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- 2. GAS CHROMATOGRAPHY/ MASS SPECTROMETRY SUPPORT DATA
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- 4. INORGANIC/ GENERAL CHEMISTRY SUPPORT DATA
- 5. CHAIN OF CUSTODY AND LABORATORY CHRONICLE



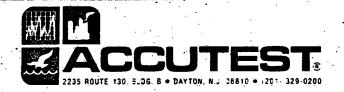
ANALYSIS REPORT FOR VOLATILE ORGANICS BY GC/MS

CLIENT : RECON LAB SAMPLE #: E017020 MATRIX : WATER

METHOD : EPA 624 ANALYSIS DATE: 07/10/90 DATA FILE :>G6694

•			•	
	COMPOUND	RESULT (ug/L)	MDL (ug/L)	Q
	CHLOROFORM CHLOROMETHANE cis-1,3-DICHLOROPROPENE DIBROMOCHLOROMETHANE 1,2-DICHLOROBENZENE 1,3-DICHLOROBENZENE 1,4-DICHLOROBENZENE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,1-DICHLOROETHYLENE trans-1,2-DICHLOROPROPENE 1,2-DICHLOROPROPANE ETHYLENE TRICHLOROETHYLENE METHYLENE CHLORIDE 1,1,2,2-TETRACHLOROETHANE TETRACHLOROETHYLENE TOLUENE 1,1,1-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE TRICHLOROFTHYLENE TRICHLOROFT		100.0000000000000000000000000000000000	
QUA	LIFIERS (Q)			

J =INDICATES AN ESTIMATED VALUE BELOW MDL B =INDICATES.COMPOUND FOUND IN THE ASSOCIATED BLANK AS WELL AS IN SAMPLE



ANALYSIS REPORT FOR BASE NEUTRAL EXTRACTABLES BY GC/MS

CLIENT : RECON LAB SAMPLE #: E017020 MATRIX : WATER METHOD : EPA 625 ANALYSIS DATE: 08/01/90 DATA FILE : >C5511

·. · :	COMPOUND	RESULT (ug/L)	MDL (ug/L)	Q.
1234567890123456789012345678901234567890123456	COMPOUND ACENAPHTHENE ACENAPHTHYLENE ANTHRACENE BENZO(A) ANTHRACENE BENZO(A) PYRENE BENZO(B) FLUORANTHENE BENZO(K) FLUORANTHENE BENZO(K) FLUORANTHENE BENZO(K) FLUORANTHENE BENZO(K) FLUORANTHENE BENZO(K) FLUORANTHENE BENZO(K) FLUORANTHENE BENZO(K) FLUORANTHENE BENZO(K) FLUORANTHENE BIS(2-CHLOROETHOXY) METHANE BIS(2-CHLOROETHOXY) METHANE BIS(2-CHLOROETHOXY) PHENYL ETHER BIS(2-CHLOROENYL) PHENYL ETHER BUS(2-ETHYLHEXYL) PHTHALATE 2-CHLORONAPHTHALENE 4-BROMOPHENYL PHENYL ETHER BUTYL BENZYL PHTHALATE 2-CHLOROPHENYL PHENYL ETHER CHRYSENE 1,3-DICHLOROBENZENE 1,3-DICHLOROBENZENE 1,3-DICHLOROBENZENE 1,3-DICHLOROBENZENE 1,3-DICHLOROBENZENE 2,4-DINITROTOLUENE DIETHYL PHTHALATE DIMETHYL PHTHALATE DIMETHYL PHTHALATE 2,4-DINITROTOLUENE DI-N-OCTYL PHTHALATE 1,2-DIPHENYLHYDRAZINE FLUORENE HEXACHLOROBUTADIENE HEXACHLOROETHANE INDENO(1,2,3-CD) PYRENE INDENO(1,2,3-CD) PYRENE INDENO(1,2,3-CD) PYRENE INDENO(1,2,3-CD) PYRENE INDENO(1,2,3-CD) PYRENE INDENO(1,2,3-CD) PYRENE N-NITROSODIMETHYLAMINE N-NITROSODIMETHYLAMINE N-NITROSODIMETHYLAMINE N-NITROSODIPHENYLAMINE PHENANTHRENE PYRENE 1,2,4-TRICHLOROBENZENE		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	J

ND = NOT DETECTED MDL= METHOD DETECTION LIMIT

QUALIFIERS (Q)

J =INDICATES AN ESTIMATED VALUE BELOW MDL B =INDICATES COMPOUND FOUND IN THE ASSOCIATED BLANK AS WELL AS IN SAMPLE

RECON SYSTEMS INC.

ROUTE 202N, P.O. BOX 460, THREE BRIDGES, N.J. 08887-0460 **\$201-782-5900 \$FAX 201-782-0072**

NEW ENGLAND 508-752-4217 PENNSYLVANIA 215-433-5511 CONNECTICUT 203-293-1212

August 13, 1990

TIER II OC PACKAGE

CLIENT:

FRANKLIN PLASTICS

LOCATION:

Kearny, New Jersey

RECON PROJECT NO:

1575

RECON SAMPLE NOS:

21575-21585

SAMPLES RECEIVED (DATE): July 3, 1990

RECON PROJECT MANAGER: W. A. Moody

Patrick J. Mulrooney Vice President

New Jersey State Certified Water Laboratory Certification No. 10196

21575-85 (XXI)

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 - B. Analytical Results
 - C. Method Detection Limits (included in B)

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- A. Non-Conformance Summary
- B. Laboratory Deliverables
- C. Surrogate Recoveries (omitted, not necessary for this report)
- D. Method Blank Summary
- E. Calibration Data/Standard Scans
- F. Spike Recovery Data

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- B. Instrument Identification Summary
- C. Nomenclature/Vendors

IV. SUPPORTING DATA/LABORATORY CHRONICLE

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- C. Chain-of-Custody Forms

RECON SYSTEMS, INC. Three Bridges, NJ 08887

21575-85 (XXI)

SECTION I SAMPLE DATA

21575-85 (XXI)

RECON SYSTEMS, INC. Three Bridges, NJ 08887

A. SAMPLE INVENTORY

RECON		:	
NO.	SAMPLING LOCATION	DATE OF COLLECTION	Analyses Requested
21575	MW-1	7/2/90	Total Petroleum Hydrocarbons, pH, Total Dissolved Solids, PP Metals
21576	MW-2R	7/2/90	Total Petroleum Hydrocarbons, pH, Total Dissolved Solids, PP Metals
21577	MW-3	7/2/90	Total Petroleum Hydrocarbons, pH, Total Dissolved Solids, PP Metals
21578	MW-4R	7/2/90	Total Petroleum Hydrocarbons, pH, Total Dissolved Solids, PP Metals
21579	MW-5	7/2/90	Total Petroleum Hydrocarbons, pH, Total Dissolved Solids, PP Metals
21580	MW-6	7/2/90	Total Petroleum Hydrocarbons, pH, Total Dissolved Solids, PP Metals
21581	MW-7	7/2/90	Total Petroleum Hydrocarbons, pH, Total Dissolved Solids, PP Metals
21582	DW-3	7/2/90	Total Petroleum Hydrocarbons, pH, Total Dissolved Solids, PP Metals
21583	DW-4	7/2/90	Total Petroleum Hydrocarbons, pH, Total Dissolved Solids, PP Metals
21584	DW-5	7/2/90	Total Petroleum Hydrocarbons, pH, Total Dissolved Solids, PP Metals

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21575-85 (XXI)

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Total Petroleum Hydrocarbons, PP Metals

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Total Petroleum Hydrocarbons Analysis

Client: FRANKLIN PLASTICS RECON Project No. 1575

SAMPLE: Water, sampled 7/2/90 at Kearny, NJ

Method: via EPA Method 418.1

RECON Sample No.	Sample Description (Water)	Petroleum Hydrocarbons (mg/l)
21575	MW-1	8.6
21576	MW-2R	1.9
21577	`MŴ−3	2.0
21578	MW-4R	10.8
21579	MW-5	1.9
21580	MW-6	<0.5
21581	MW-7	0.7
21582	DW-3	1.9
21583	DW-4	2.2
21583	Matrix Duplicate	2.2
21584	DW-5	0.9
21585	Field Blank	<0.5
Minimum	Detection Limit (Water)	0.5

Samples from this project will be retained for sixty days from the date of this report unless otherwise directed.

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RECON SYSTEMS, INC. 21575-85 (XXI) Three Bridges, NJ 08887

ANH

Metal Analysis

CLIENT:

FRANKLIN PLASTICS

RECON Project No. 1575

Sample: Water, sampled 7/02/90 in Kearny, NJ						
Sample ID RECON Sample No.	EPA Method	MW-1 21575	MATRIX DUPL. 21575	MW-2R 21576	MW-3 21577	Minimum Detection Limit
<u>Parameter</u>		·	(mg/l)		· · · · · · · · · · · · · · · · · · ·	
Antimony	_204_	ND	ND_	ND	ND	0.05
Arsenic _	206	0.033	0.025	<0.007	<0.007	0.007
Beryllium	210	ND	ND	ND	<0.003	0.003
Cadmium	213	<0.003	<0.003	<0.003	<0.003	0.003
Chromium	218	<0.02	<0.02	ND	ND	0.02
Copper	220	<0.01	<0.01	ND	ND	0.01
Lead	<u>239</u>	ND	ND	ND	ND	0.03
Mercury	245	ND	ND	ND	ND	0.001
Nickel	249	<0.06	<0.06	ND	ND	0.06
Selenium	<u> 270</u>	<u>ND</u>	ND	ND	ND	0.001
Silver	272	<u>ND</u>	ND	ND	ND	0.008
Thallium	<u>279</u>	<u>ND</u>	ND	<0.04	<0.04	0.04
Zinc	289	0.025	0.024	0.019	0.005	0.003

Samples for this project will be retained for sixty days from the date of this report unless otherwise directed.

New Jersey State Certified Water Laboratory Certification No. 10196

21575-85 (XXI)

RECON SYSTEMS, INC. Three Bridges, NJ 08887

EMH

Metal Analysis

CLIENT:

FRANKLIN PLASTICS

RECON Project No. 1575

Sample: Water, sampled 7/02/90 in Kearny, NJ

Sample ID RECON Sample No.	EPA Method	MW-4R 21578	MW-5 21579	MW-6 21580	MW-7 21581	Minimum Detection Limit
<u>Parameter</u>	.		(mg/l)			
Antimony Arsenic Beryllium Cadmium Chromium Copper Lead Mercury Nickel Selenium Silver Thallium Zinc	7040 7061 7090 7130 7190 7210 7420 7470 7520 7741 7760 7840 7950	ND 0.010 ND <0.003 <0.02 <0.01 ND 0.003 ND ND ND ND 0.04 0.019	ND 0.012 ND <0.003 ND ND ND ND ND ND ND ND ND	ND <0.007 ND 0.005 ND ND ND ND ND ND <0.008 <0.04	ND 0.044 <0.003 0.008 ND 0.18 0.08 <0.001 ND ND ND ND ND ND	0.05 0.007 0.003 0.003 0.02 0.01 0.03 0.001 0.06 0.001 0.008 0.04 0.003

Samples for this project will be retained for sixty days from the date of this report unless otherwise directed.

New Jersey State Certified Water Laboratory Certification No. 10196

21575-85 (XXI)

RECON SYSTEMS, INC. Three Bridges, NJ 08887

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De

Metal Analysis

CLIENT:

FRANKLIN PLASTICS

RECON Project No. 1575

Sample: Water, sampled 7/02/90 in Kearny,	pambre:	Kearny, N	in	2/90	7/02/	sampred	water,	Sample:
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Sample ID RECON Sample No.	EPA Method	DW-3 21582	DW-4 21583	DW-5 21584	FIELD BLANK 21585	Minimum Detection Limit
<u>Parameter</u>			(mg/l)			
Antimony Arsenic Beryllium Cadmium Chromium Copper Lead Mercury Nickel Selenium Silver Thallium Zinc	7040 7061 7090 7130 7190 7210 7420 7470 7520 7741 7760 7840 7950	<0.05 <0.007 <0.003 <0.003 ND <0.01 ND ND <0.06 ND <0.06 0.08	<0.05 <0.007 <0.003 <0.003 ND <0.01 ND ND <0.06 ND <0.08 0.07	<0.05 ND <0.003 <0.003 ND <0.01 ND <0.06 ND <0.008 0.06	<0.05 ND <0.003 <0.003 <0.02 ND ND ND ND ND ND	0.05 0.007 0.003 0.003 0.02 0.01 0.03 0.001 0.06 0.001 0.008 0.04
22110	1330	0.008	0.013	0.013	<u>0.010</u>	<u>0.003</u>

Samples for this project will be retained for sixty days from the date of this report unless otherwise directed.

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21575-85 (XXI)

RECON SYSTEMS, INC. Three Bridges, NJ 08887

ENH

Pat

Inorganic Analysis

CLIENT

FRANKLIN PLASTICS

RECON Project No. 1575

Sample: Water, sampled 7/02/90 in Kearny, NJ

Sample ID.	MW-1	MW-2R	MW-3	MW-4R
RECON Sample No.	<u> 21575</u>	21576	21577	21578
<u>Parameter</u>				
pH (su)	6.45	6.59	6.92	6.21
	· · · · · · · · · · · · · · · · · · ·		mg/L	
Total Dissolved Solids	275	440	194	393

Samples for this project will be retained for sixty days from the date of this report unless otherwise directed.

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21575-85 (XXI)

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EM

Inorganic Analysis

CLIENT: FRANKLIN PLASTICS

RECON Project No. 1575

pH (su) 6.54 6.60 6.46 6.79

______mg/L
Total Dissolved
Solids 368 223 472 2,680

Samples for this project will be retained for sixty days from the date of this report unless otherwise directed.

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21575-85 (XXI)

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BI

Inorganic Analysis

CLIENT:

Sample:

FRANKLIN PLASTICS

RECON Project No. 1575

Sample ID.

DW-5

RECON

Sample No.

21583

Water, sampled 7/02/90 in Kearny, NJ

21584

<u>Parameter</u>

pH (su)

6.65

DW-4

6.41

mq/L

Total Dissolved

Solids

3,120 2,670

Samples for this project will be retained for sixty days from the date of this report unless otherwise directed.

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21575-85 (XXI)

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